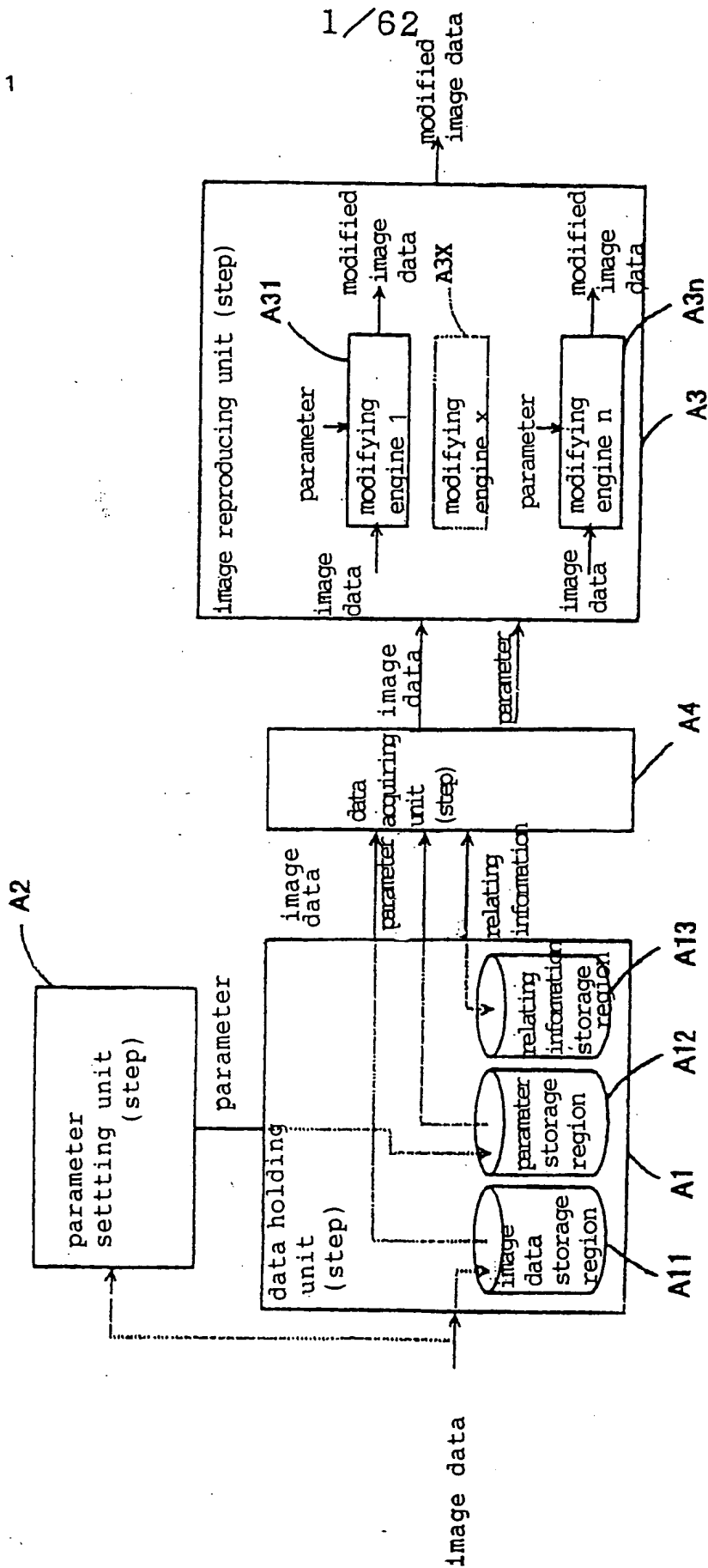
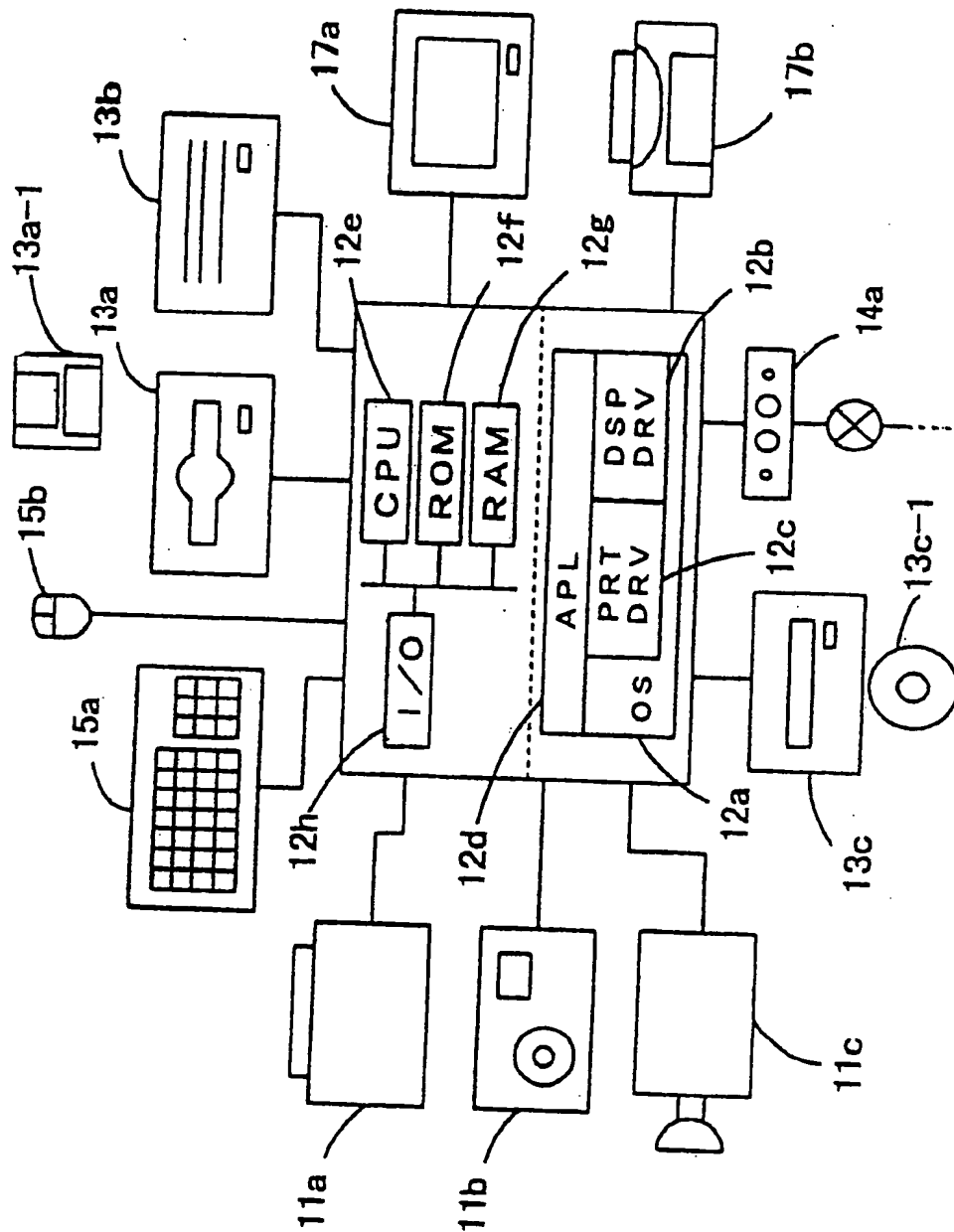


Fig. 1



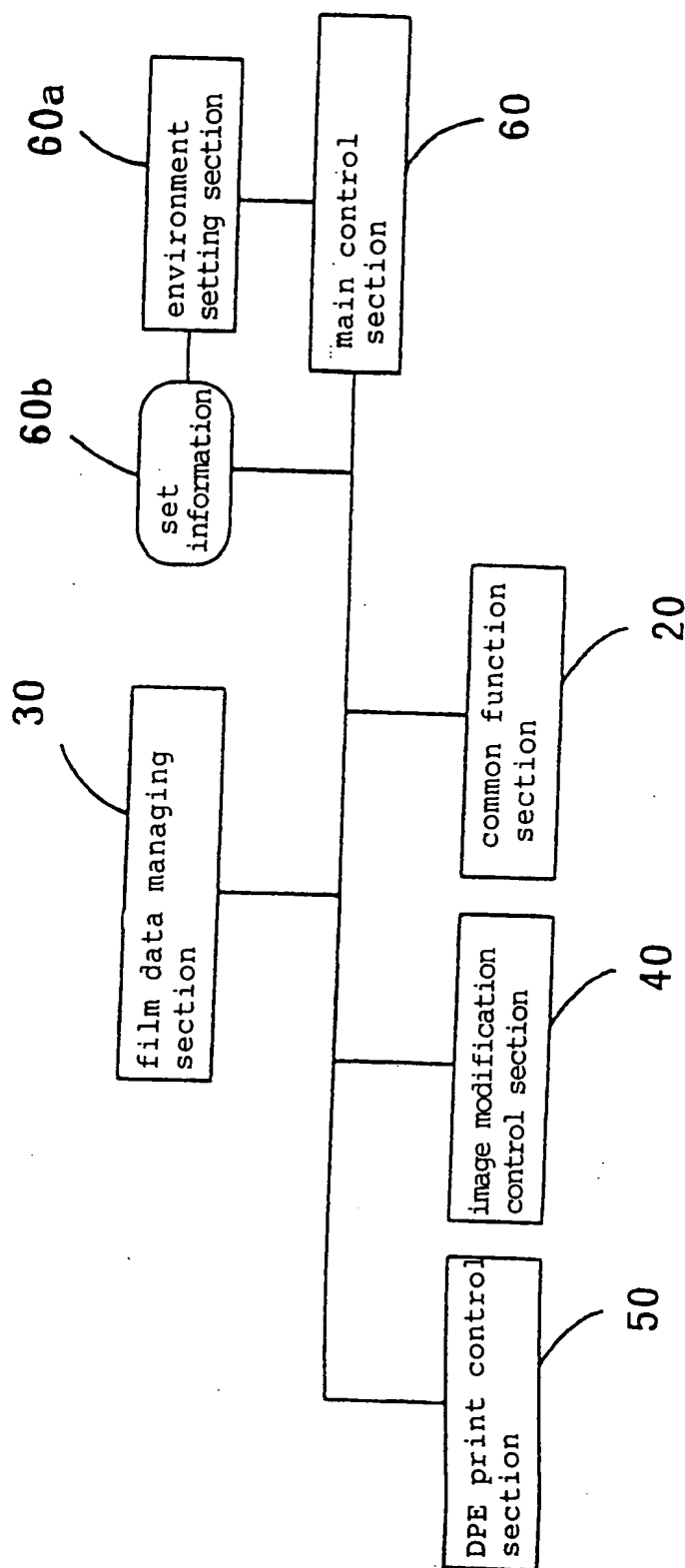
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Fig. 2



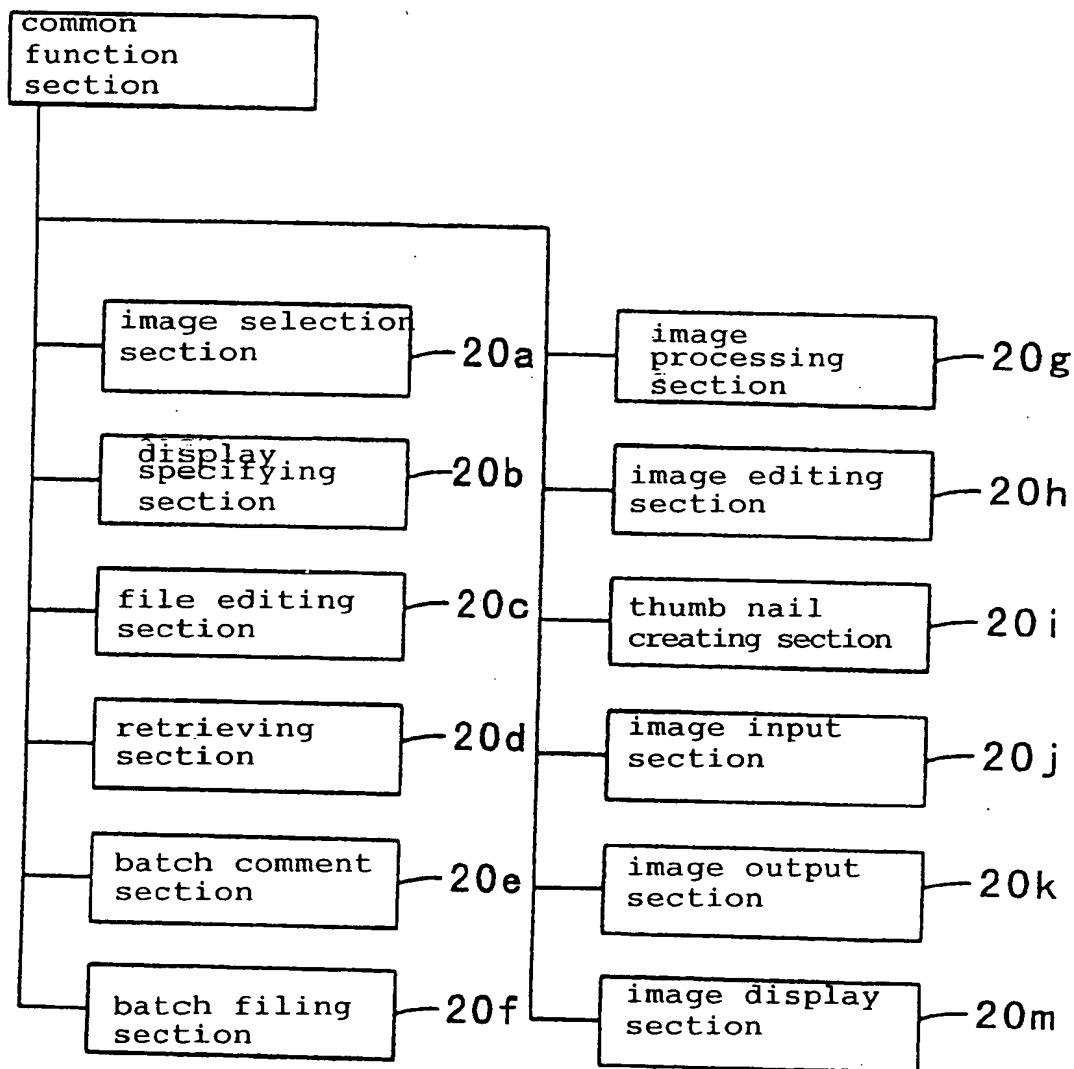
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Fig. 3



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Fig. 4



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Fig. 5

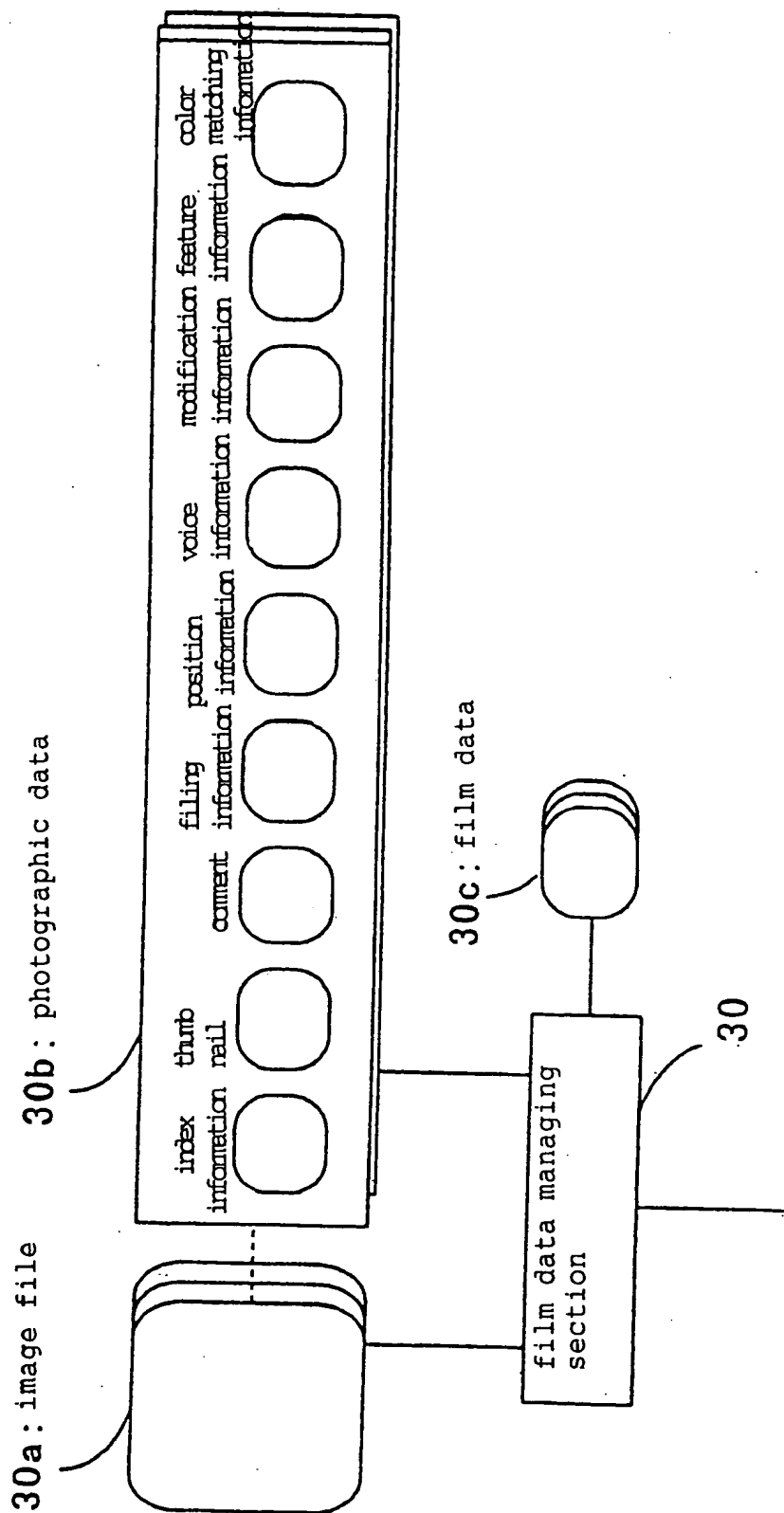
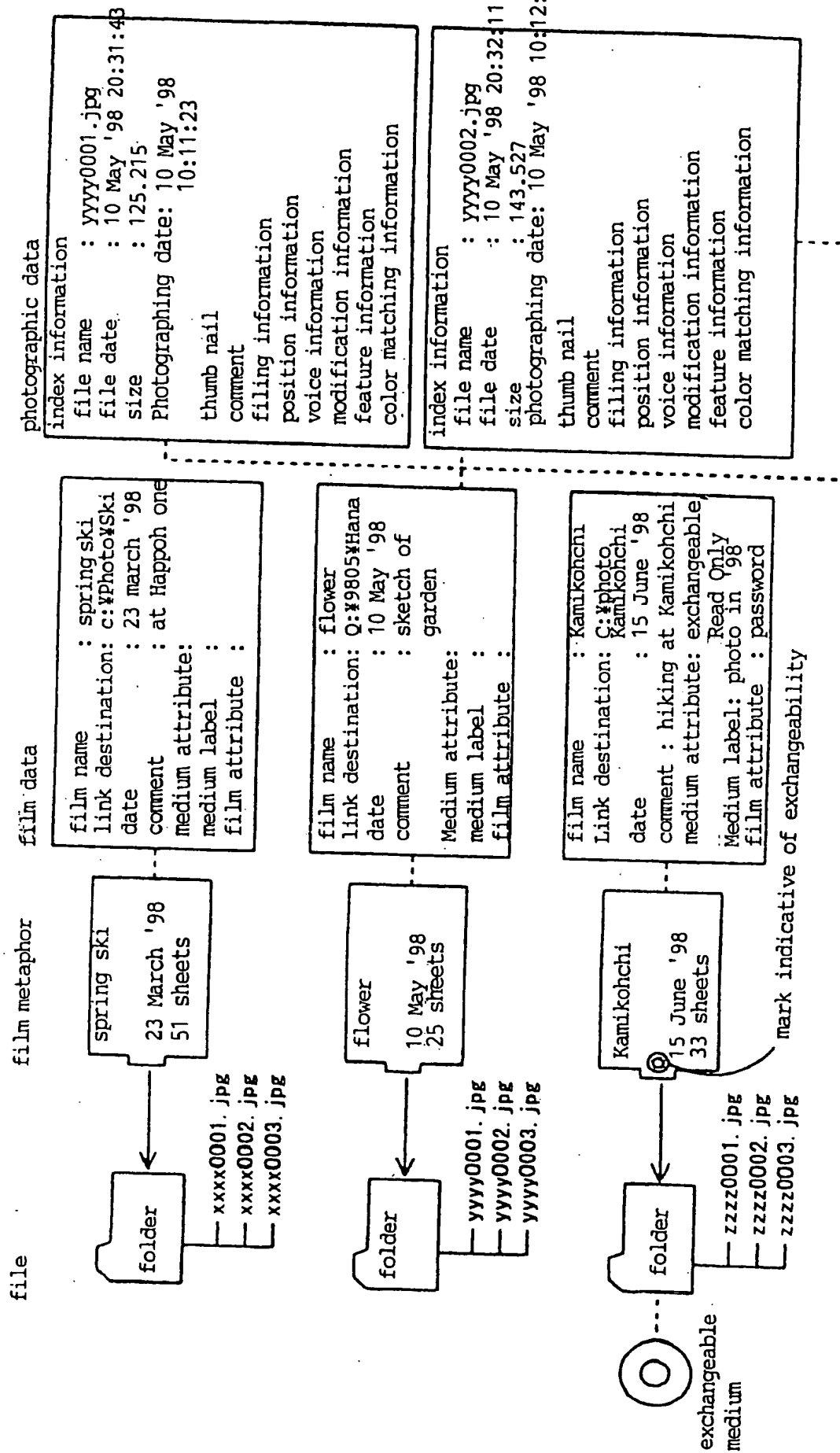


Fig. 6



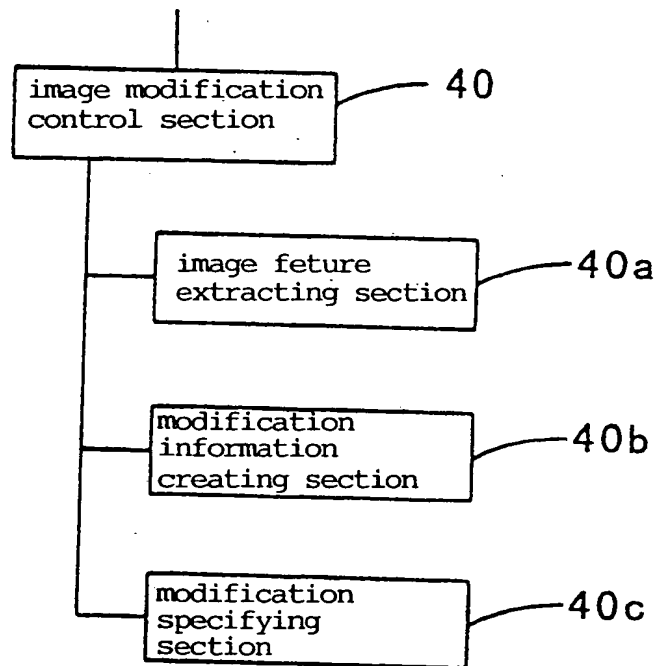
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Fig. 7

```
//
private: attribute
    USHORT m_nMask; // mask flag indicative of effective member
    [
        SHORT m_x1; // trimming start x coordinate
        SHORT m_y1; // trimming start y coordinate
        SHORT m_x2; // trimming end x coordinate
        SHORT m_y2; // trimming end y coordinate
        SHORT m_nRotation; // rotating angle
        SHORT m_nApf; // automatic image modification
        SHORT m_nRed; // red
        SHORT m_nGreen; // green
        SHORT m_nBlue; // blue
        SHORT m_nBrightness; // brightness
        SHORT m_nContrast; // contrast
    ]
```

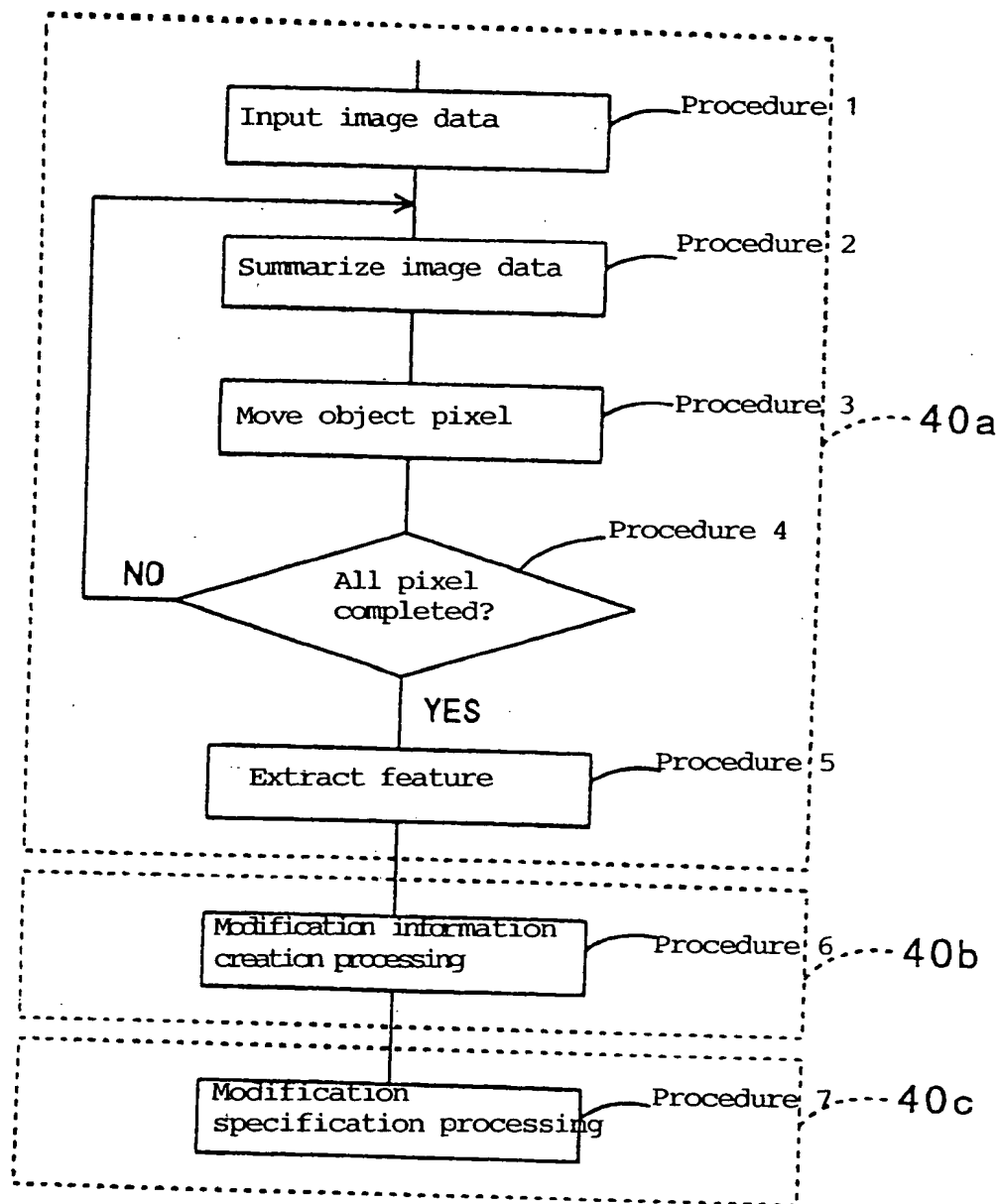
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Fig. 8



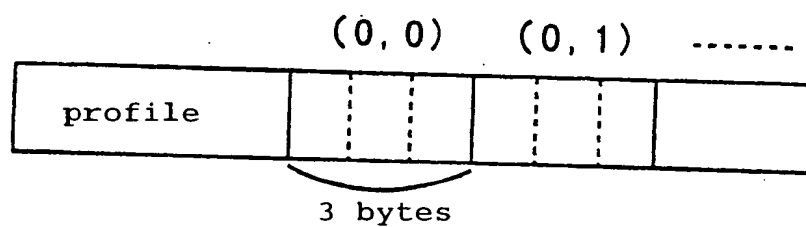
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Fig. 9



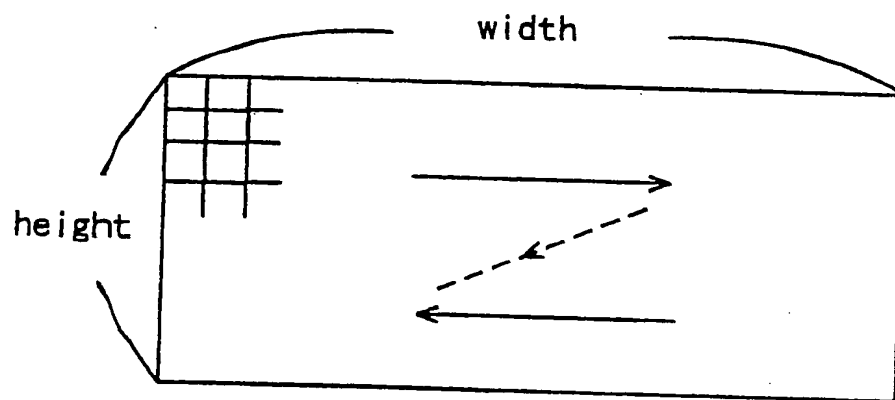
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Fig. 10



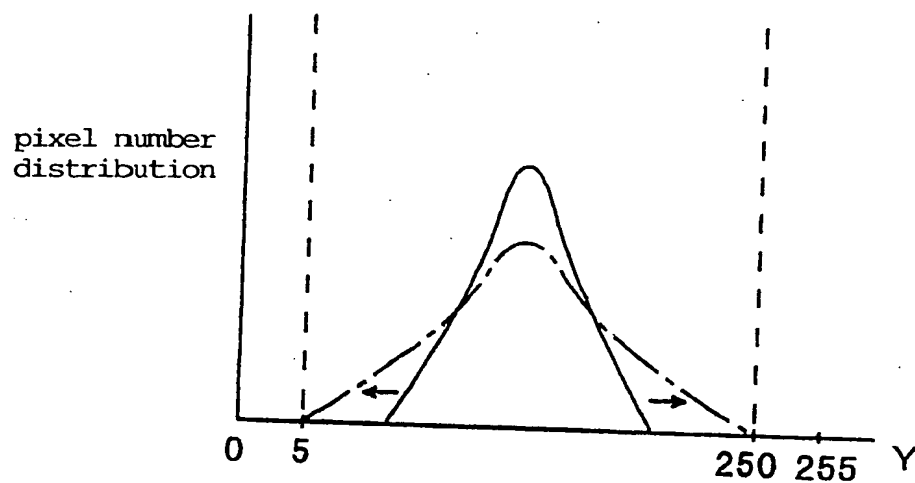
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Fig. 11



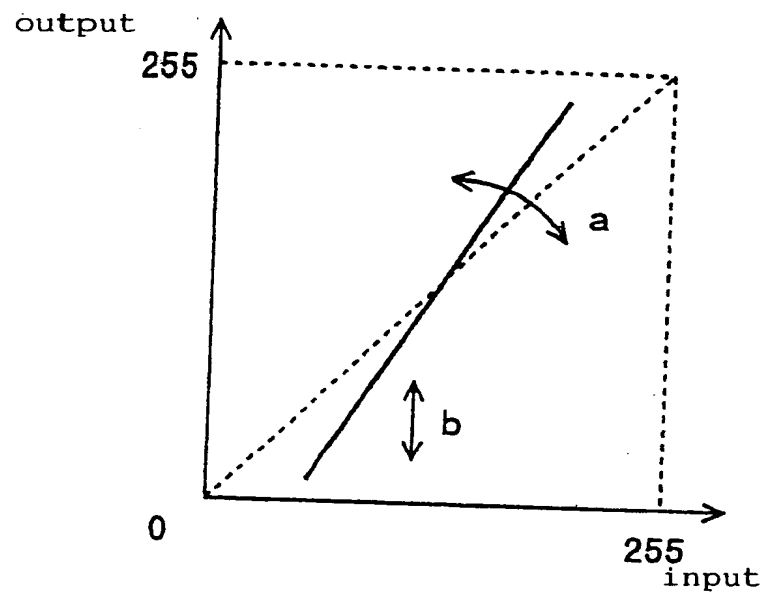
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Fig. 12



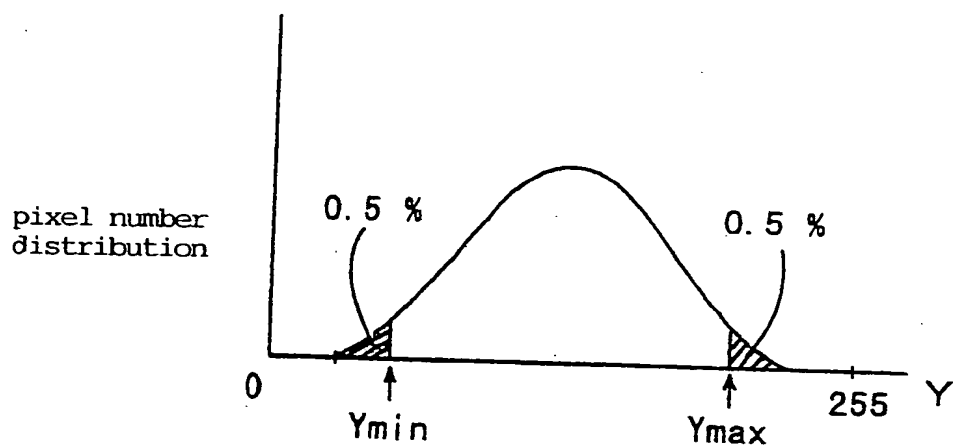
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Fig. 13



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Fig. 14



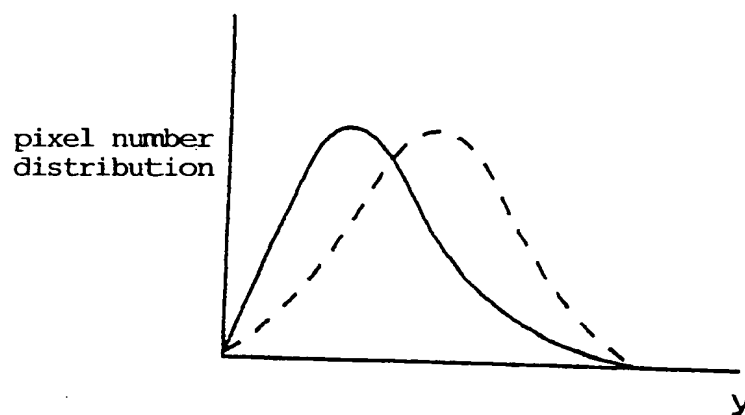
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Fig. 15

y	Y
0	0
Ymin	5
⋮	⋮
Ymax	250
255	255

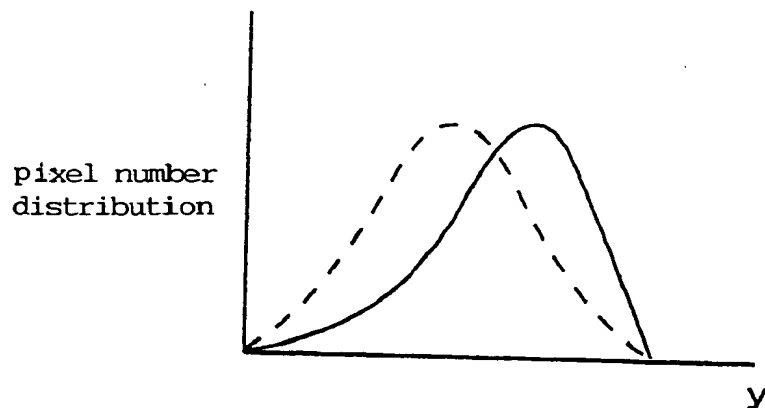
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Fig. 16



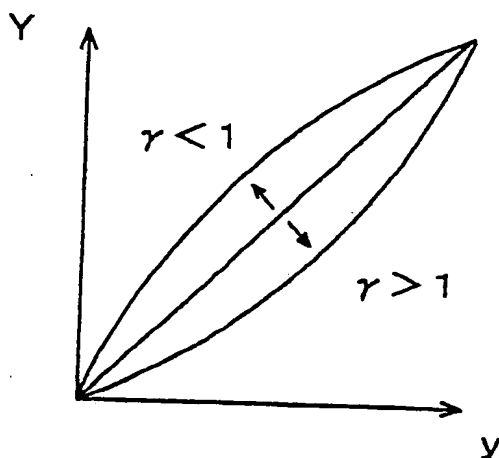
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Fig. 17



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Fig. 18



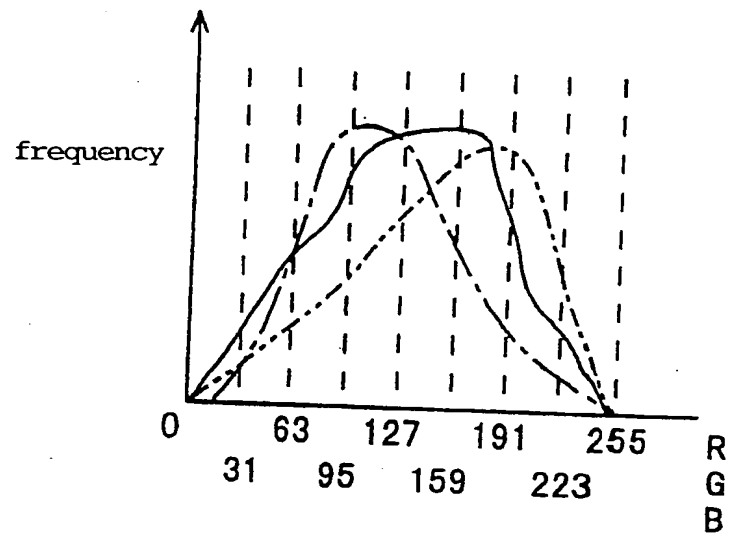
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Fig. 19

$Y_{med_target} - Y_{med}$	γ
+20	0.80
+15	0.85
+10	0.90
+5	0.95
0	1
-5	1.05
-10	1.10
-15	1.15
-20	1.20

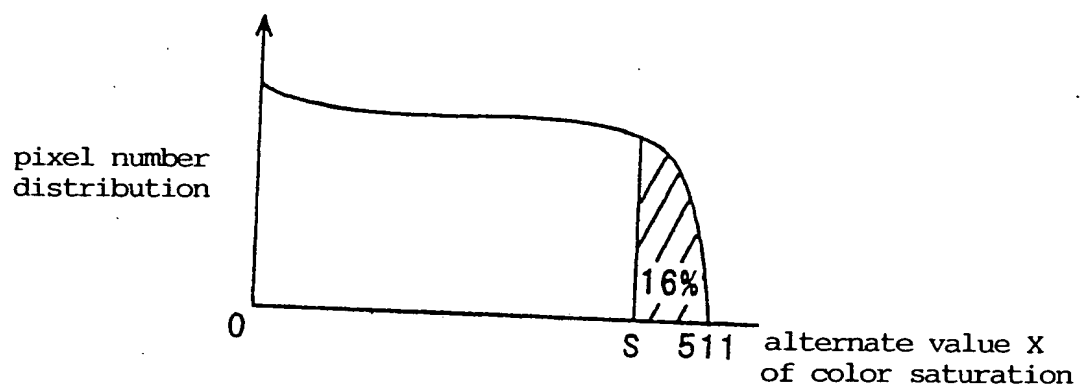
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Fig. 20



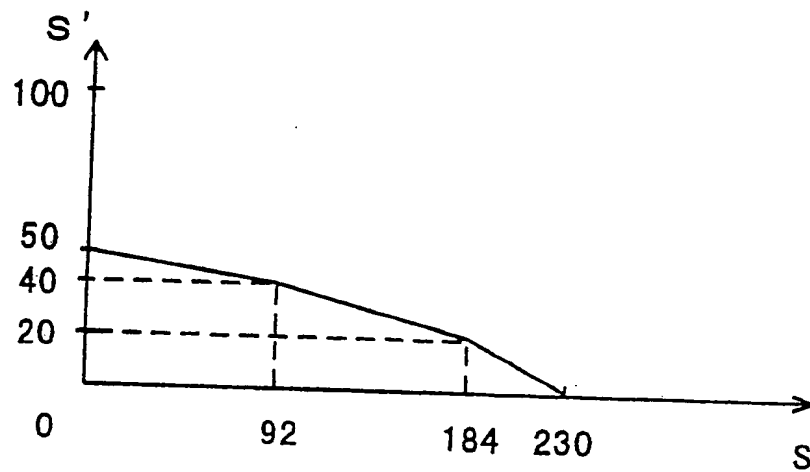
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Fig. 21



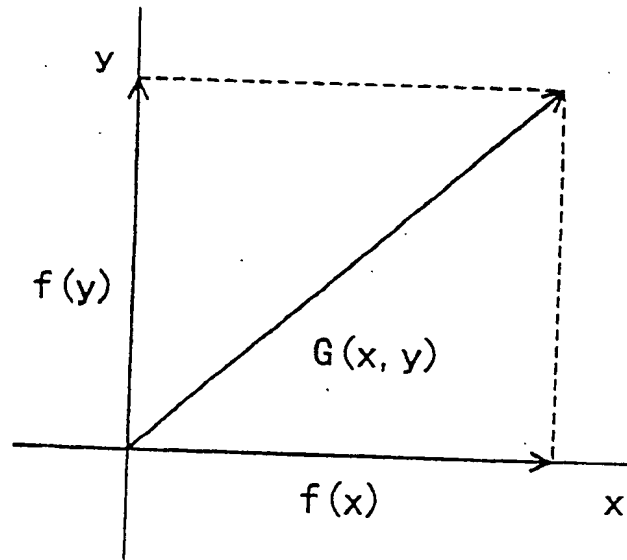
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Fig. 22



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Fig. 23



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Fig. 24

	$f(x, y+1)$	
	$f(x, y)$	$f(x+1, y)$

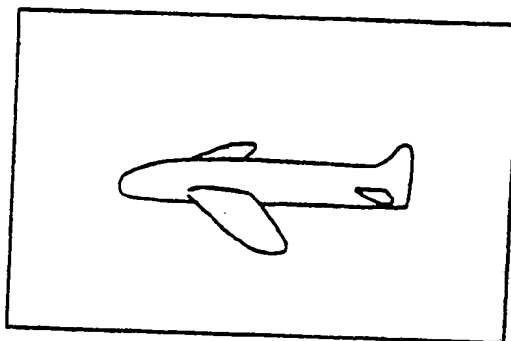
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Fig. 25

$f(x-1, y+1)$	$f(x, y+1)$	$f(x+1, y+1)$
$f(x-1, y)$	$f(x, y)$	$f(x+1, y)$
$f(x-1, y-1)$	$f(x, y-1)$	$f(x+1, y-1)$

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Fig. 26



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Fig. 27

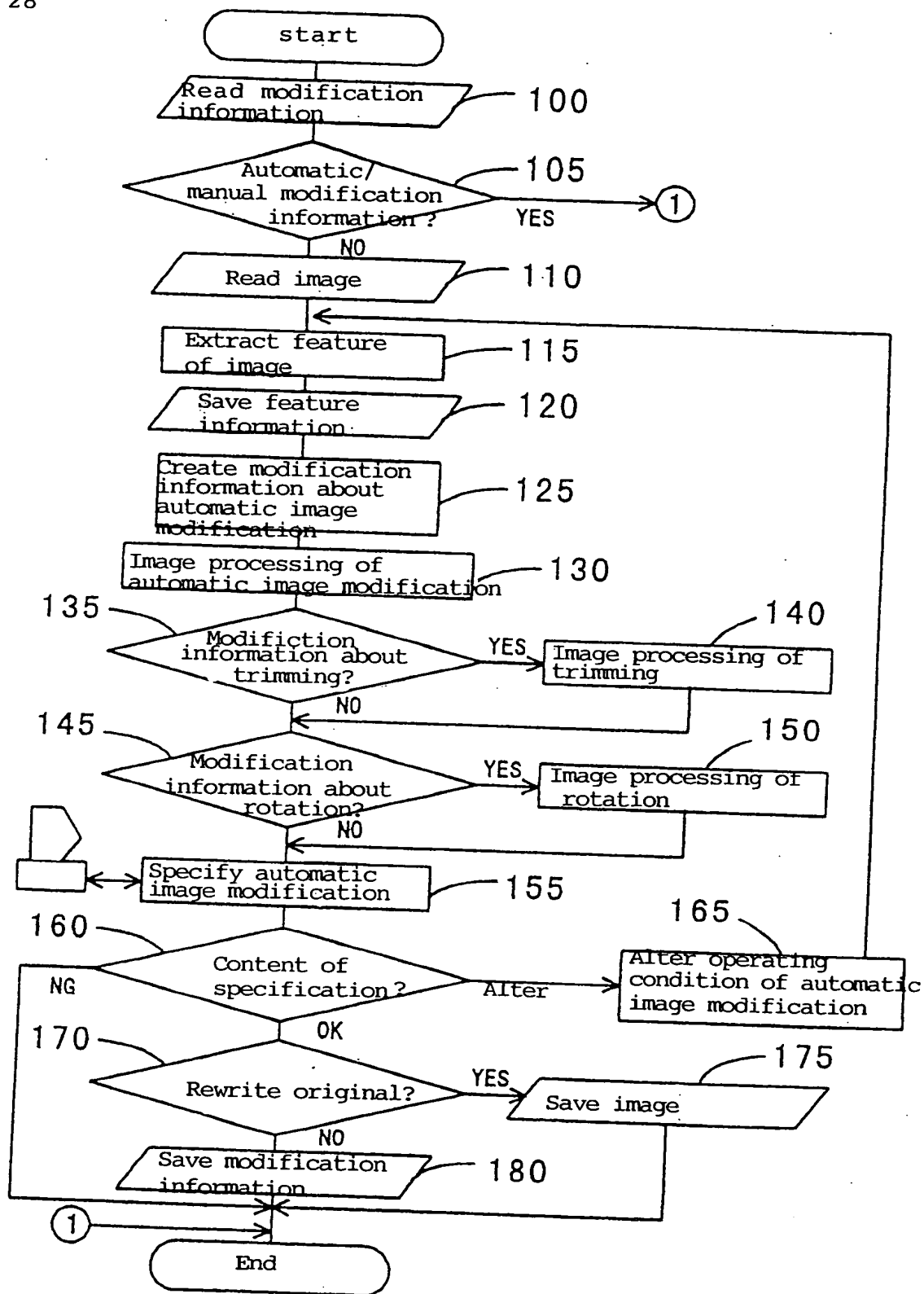
5 × 5

	i=-2	-1	0	1	2
j=-2	0	2	4	2	0
-1	2	2 0	4 6	2 0	2
0	4	4 6	1 0 0	4 6	4
1	2	2 0	4 6	2 0	2
2	0	2	4	2	0

396

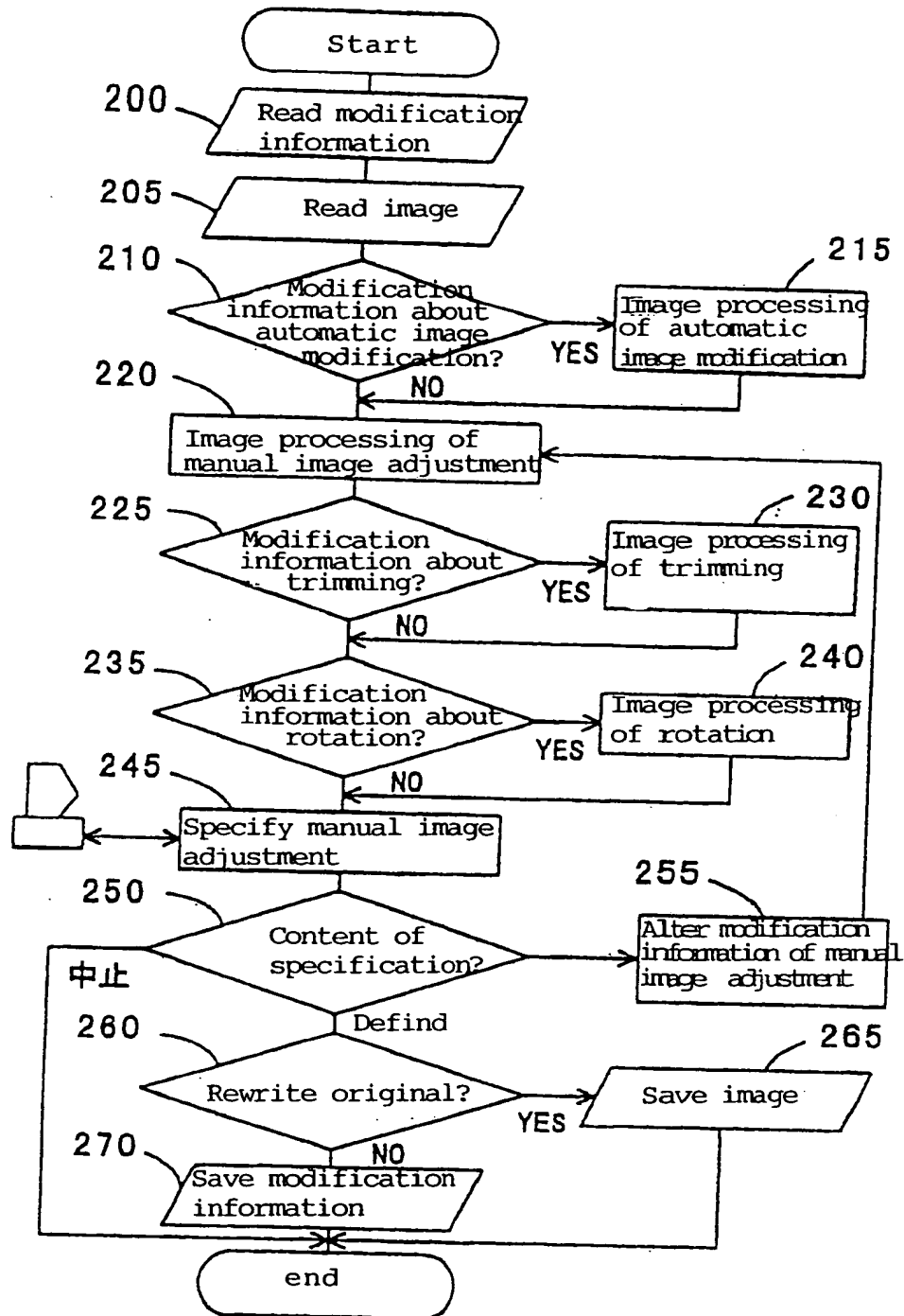
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Fig. 28



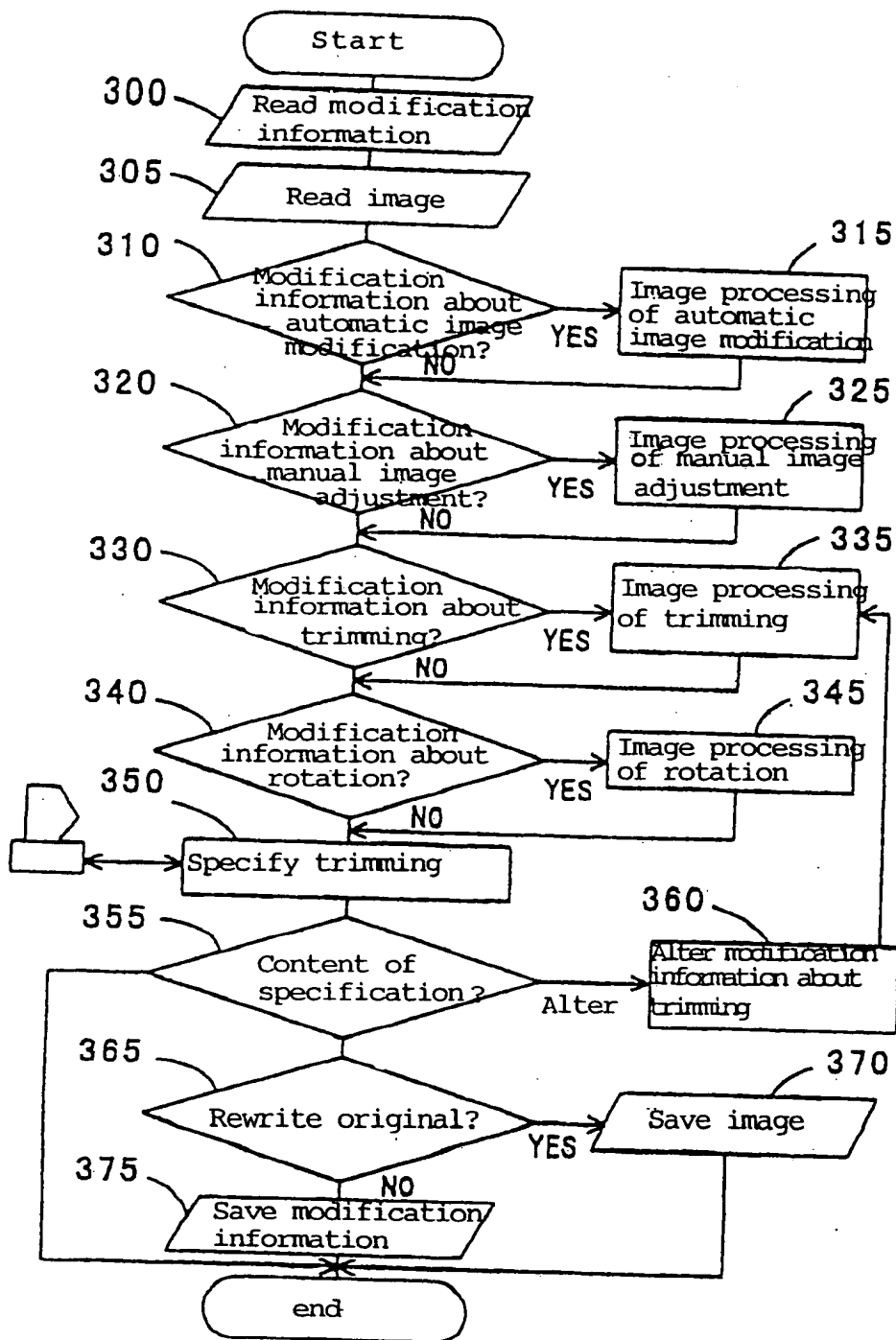
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Fig. 29



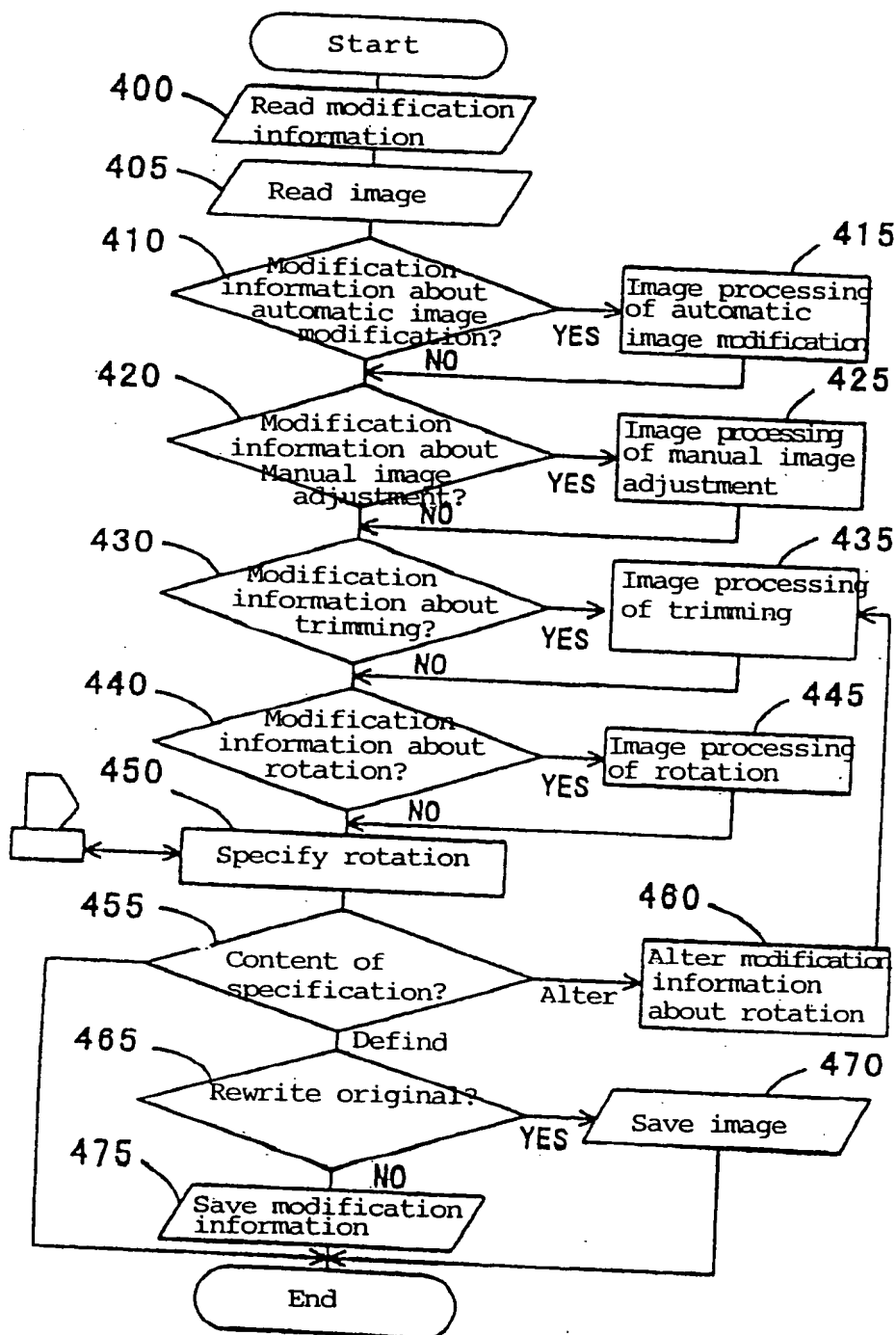
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Fig. 30



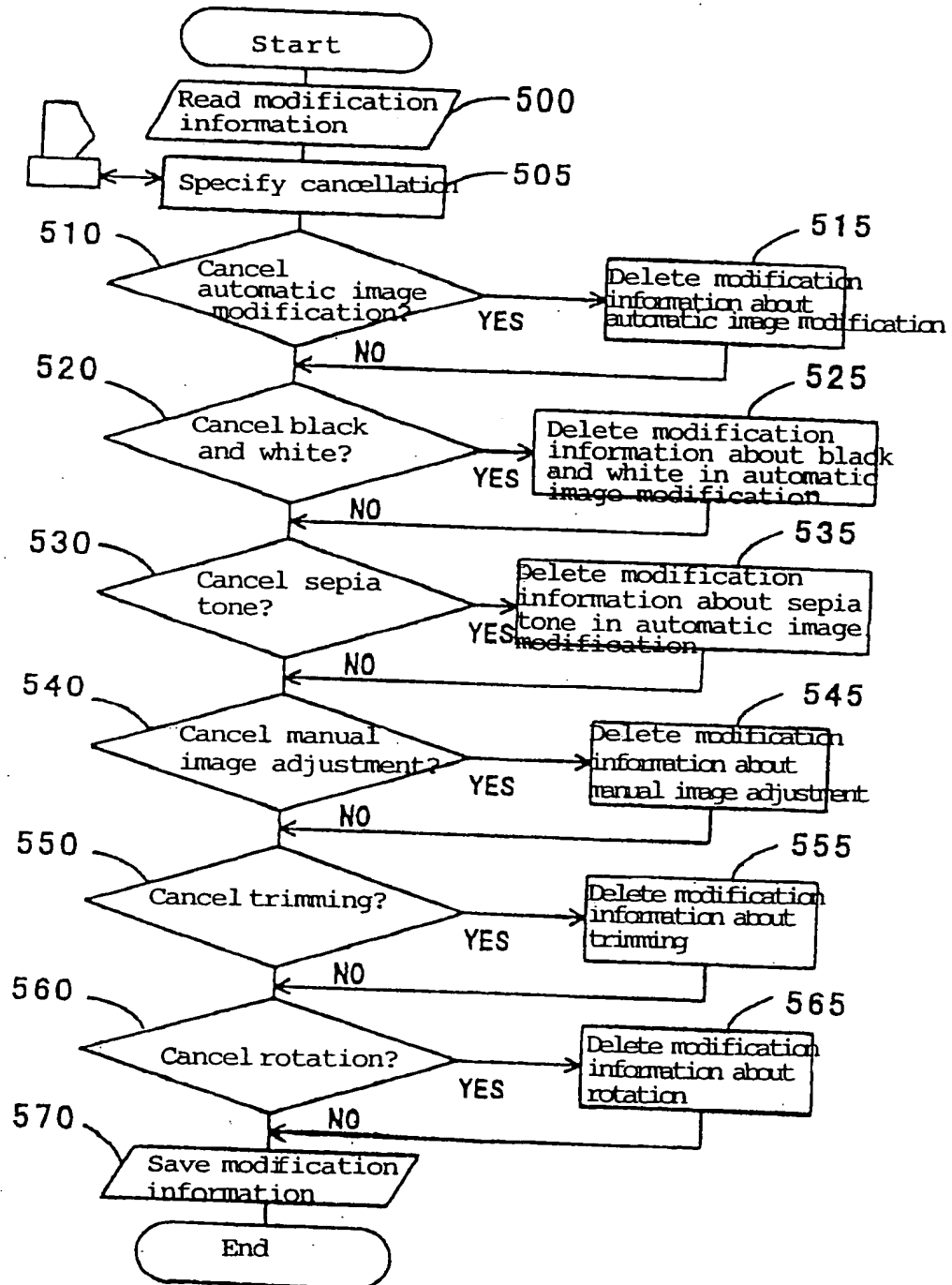
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Fig. 31



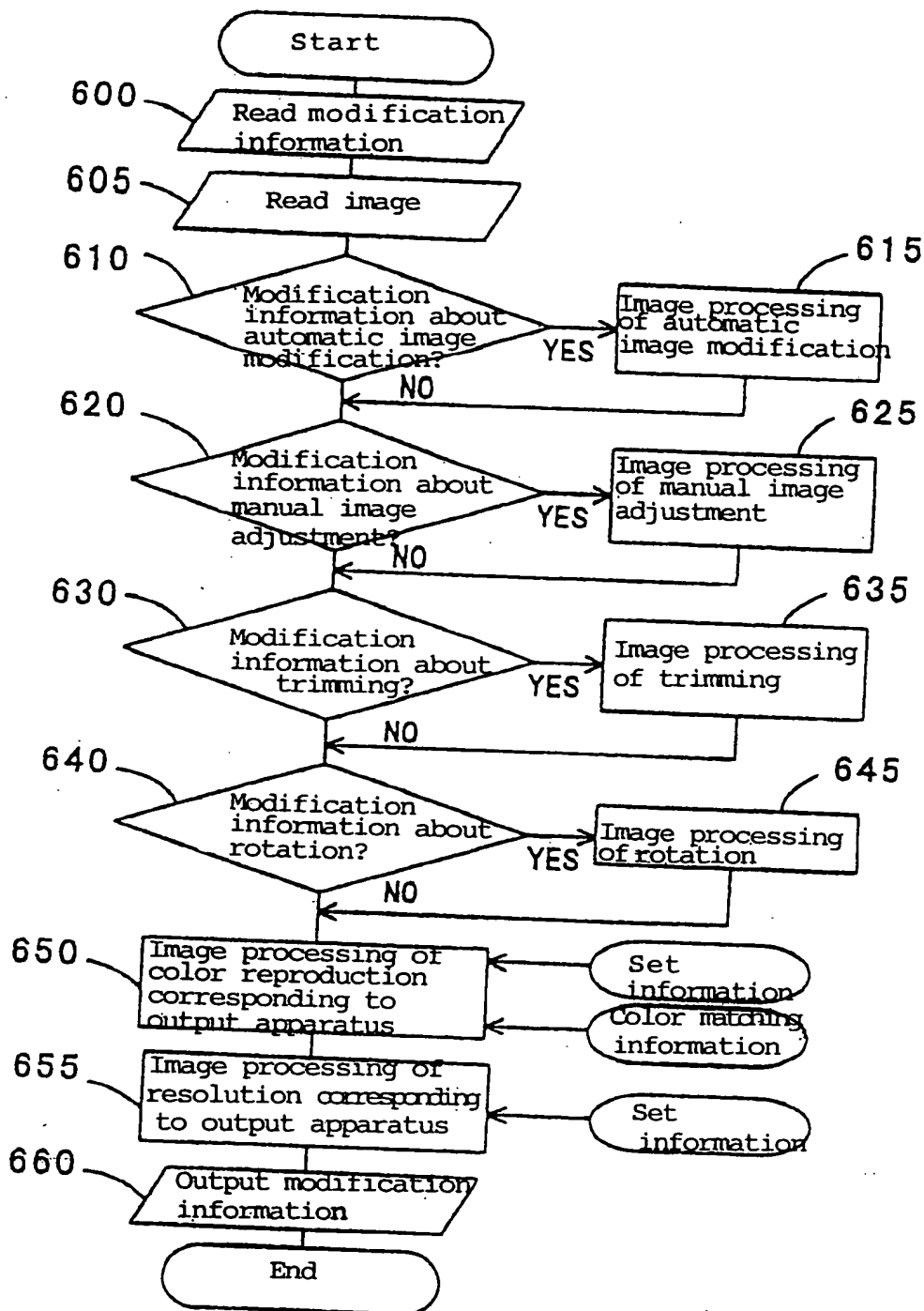
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Fig. 32



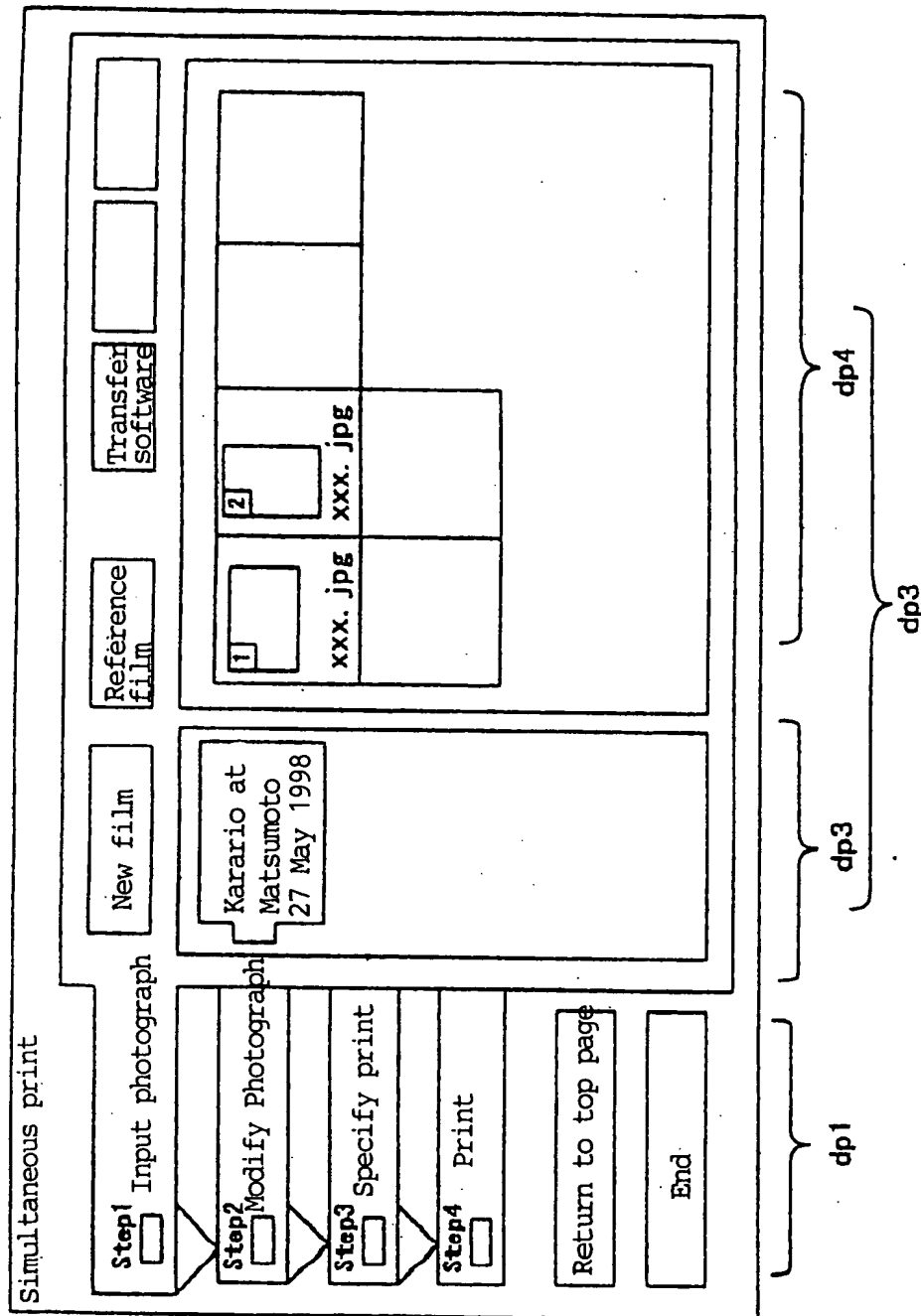
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Fig. 33



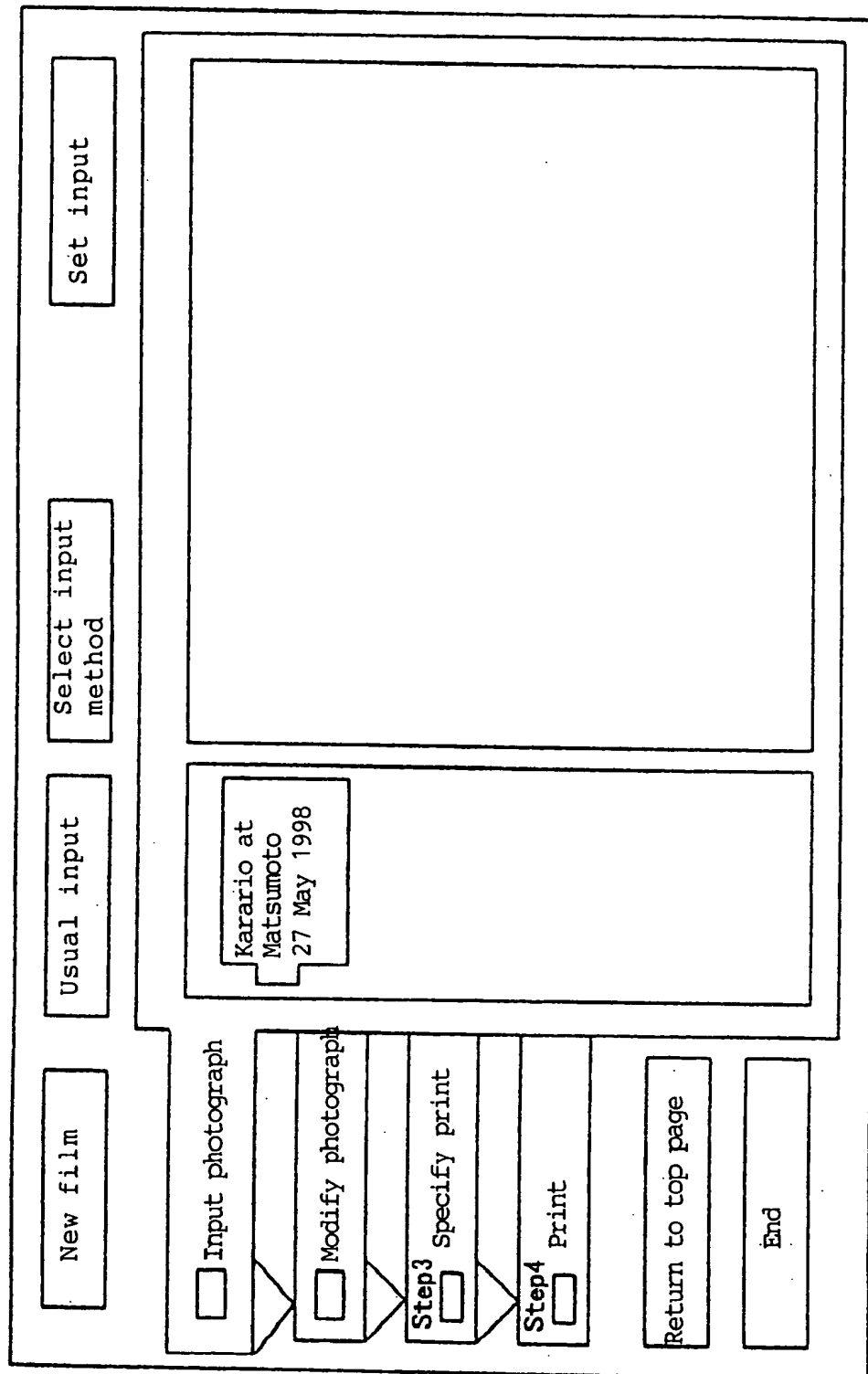
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Fig. 34



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Fig. 35



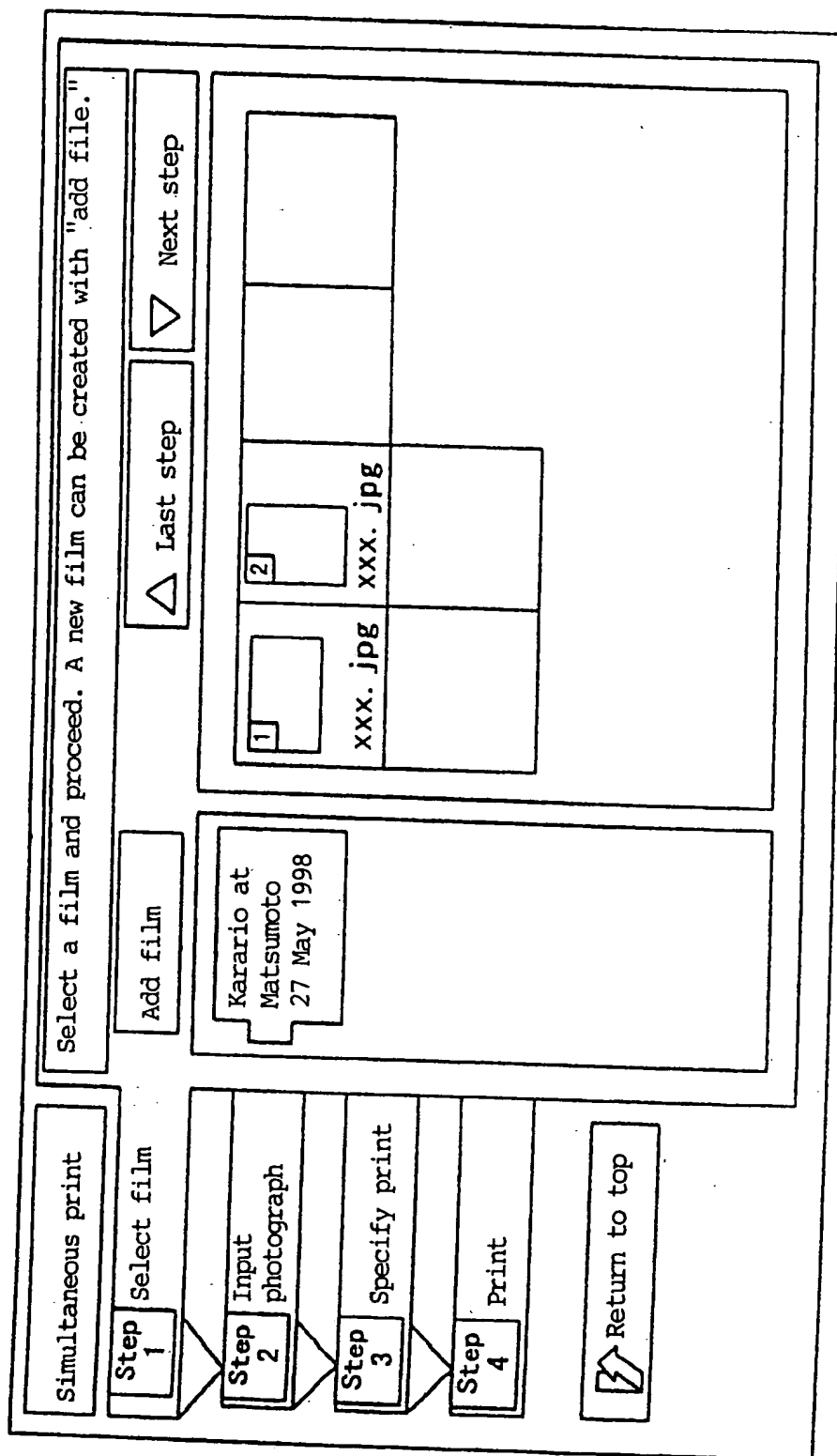
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Fig. 36

Before modification						
After modification						
<input type="checkbox"/> Reflect on original data						
<table border="1"><tr><td>Execute</td><td>Cancel</td></tr></table>					Execute	Cancel
Execute	Cancel					

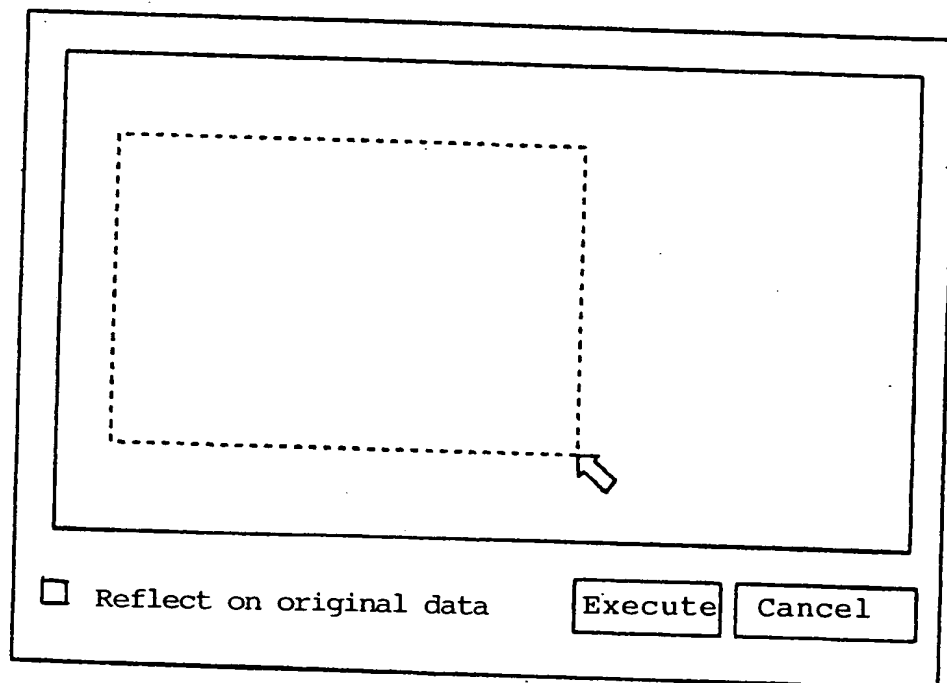
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Fig. 37



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Fig. 38



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Fig. 39

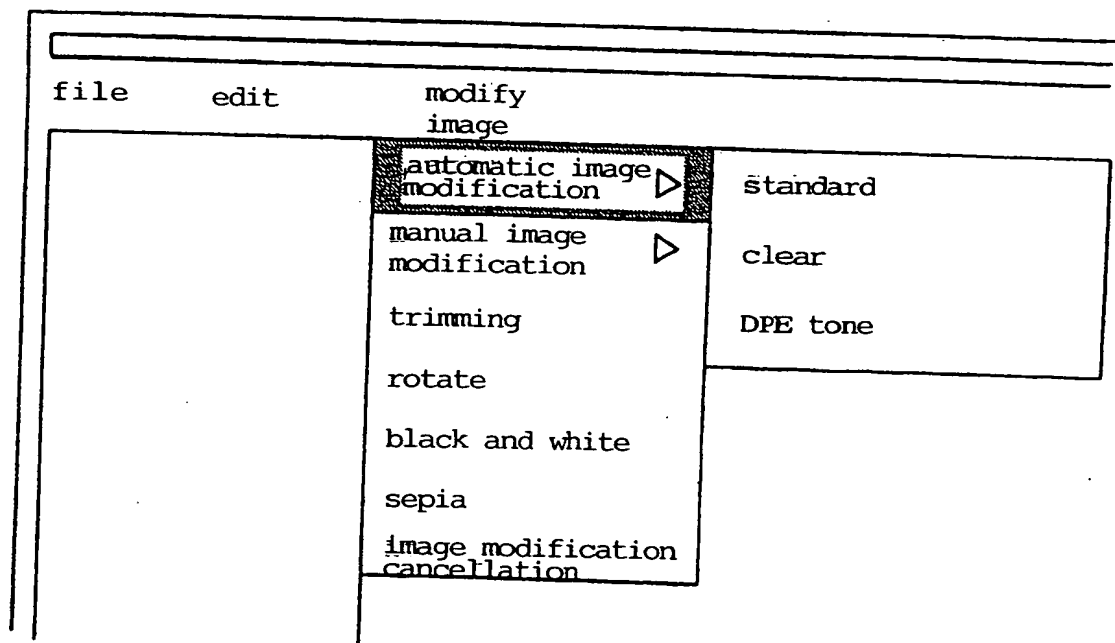
☐ 90°
☐ 180°
☐ 270°

☐

☐ Reflect on original data

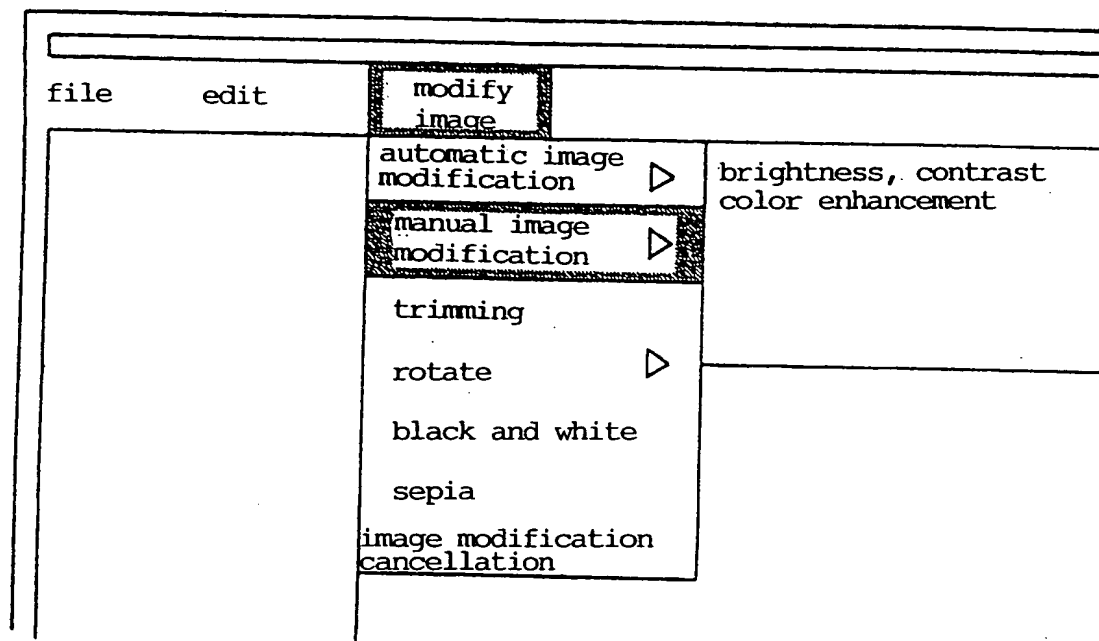
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Fig. 40



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Fig. 41



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Fig. 42

The figure shows a rectangular window with a double border. Inside, the text "cancellation object" is at the top left. Below it are seven checkboxes arranged in two columns. The first column contains "rotate", "trimming", "black and white", and "sepia tone". The second column contains "automatic image modification" and "manual image modification". At the bottom of the window are two rectangular buttons, each labeled "cancel".

<input type="checkbox"/> rotate	<input type="checkbox"/> automatic image modification
<input type="checkbox"/> trimming	<input type="checkbox"/> manual image modification
<input type="checkbox"/> black and white	
<input type="checkbox"/> sepia tone	

cancel cancel

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Fig. 43

four sheets album seal

◀ ▶

option

☐ register mark

☐ date

☐ title

paper

☒ A 4

☐ B 5

☐ seal

Epson printer ▶
▼

preview album particulars

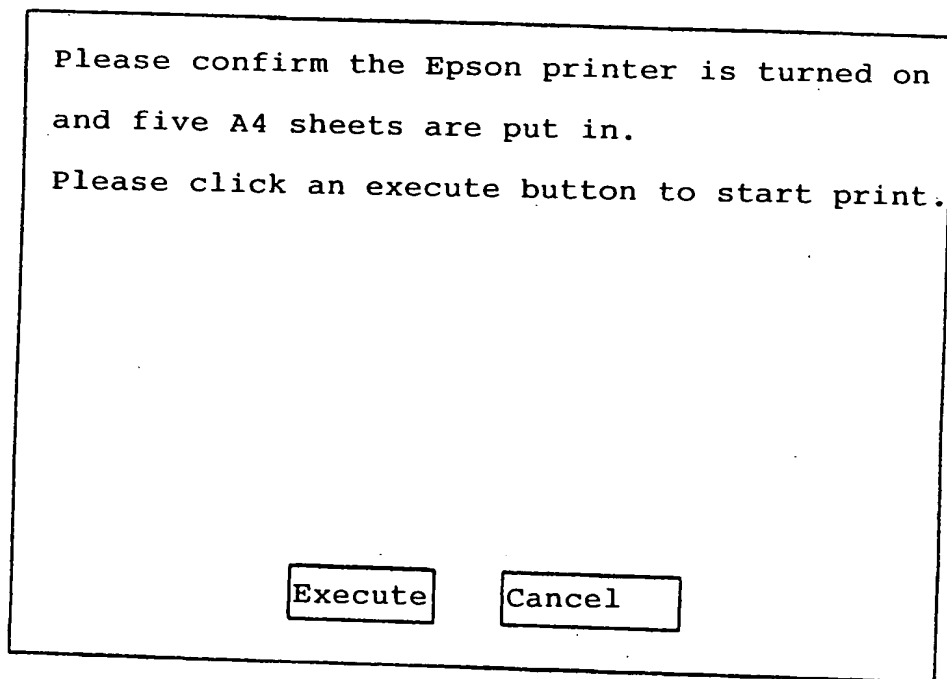
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Fig. 44

The figure shows a graphical user interface window. At the top is a header bar containing three icons: a 3x3 grid, a 3x2 grid, and a 2x2 grid. Below the header bar is a horizontal scroll bar. The main content area contains an 'option' box with three checkboxes: 'comment', 'date', and 'page layout'. To the right of the 'option' box is a 'page number' field with the value '1' and up/down arrows. Below the 'option' box is a printer selection dropdown menu currently showing 'Epson printer'. At the bottom of the window are 'OK' and 'cancel' buttons.

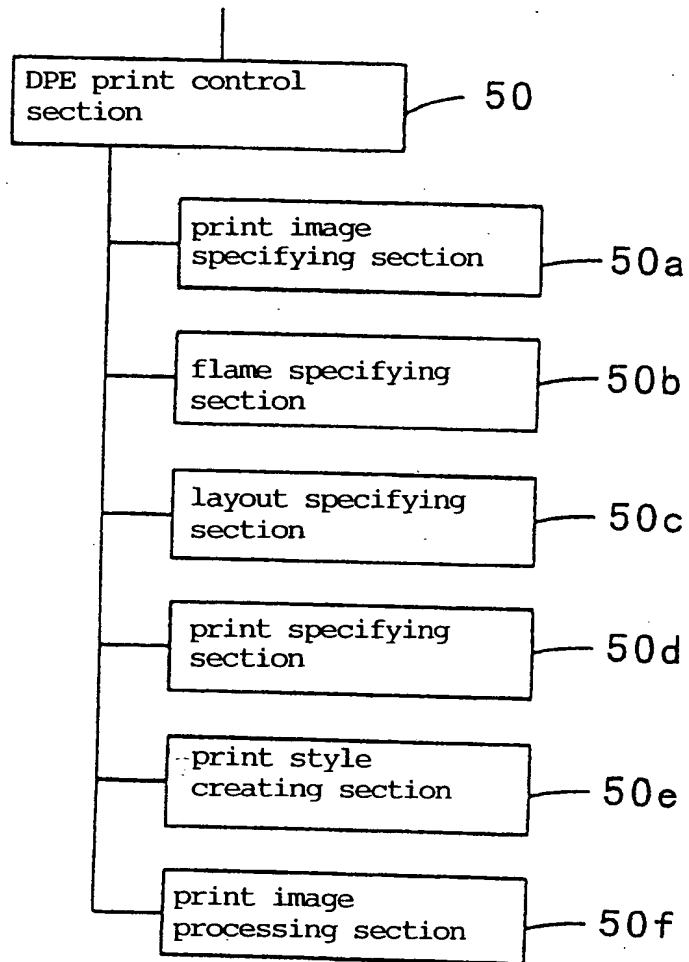
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Fig. 45



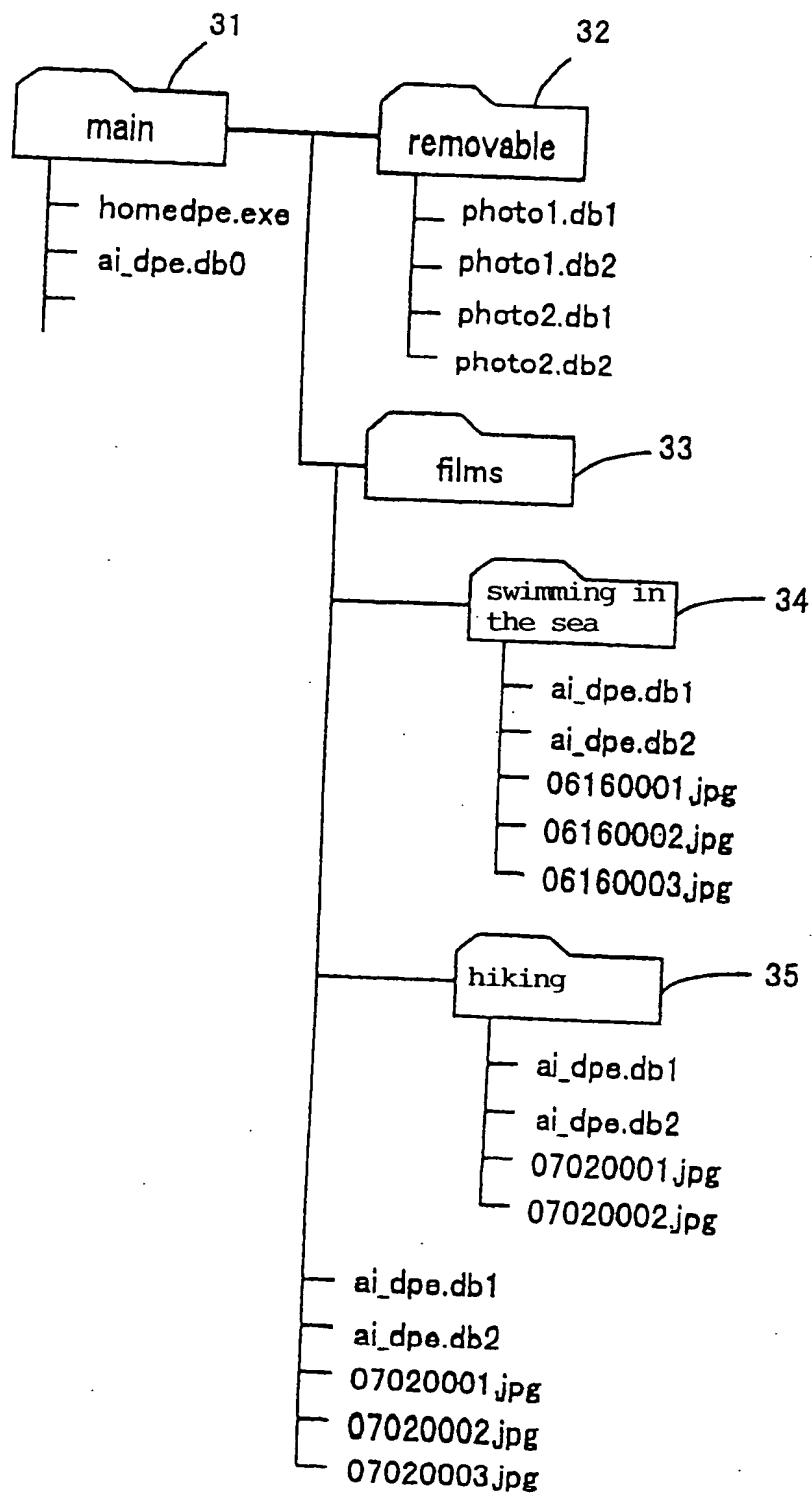
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Fig. 46



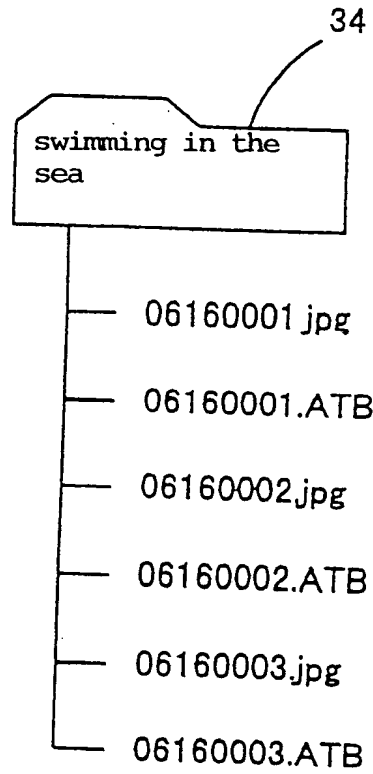
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Fig. 47



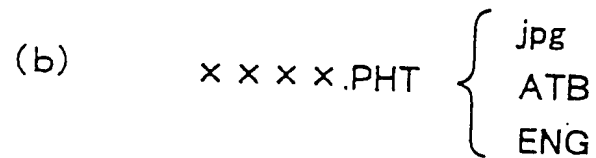
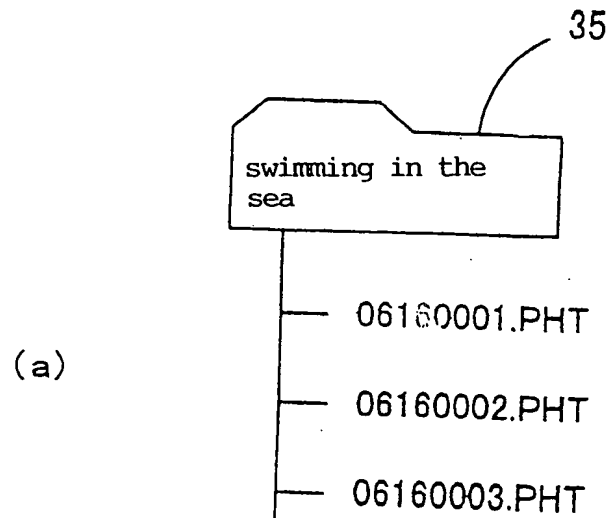
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Fig. 48



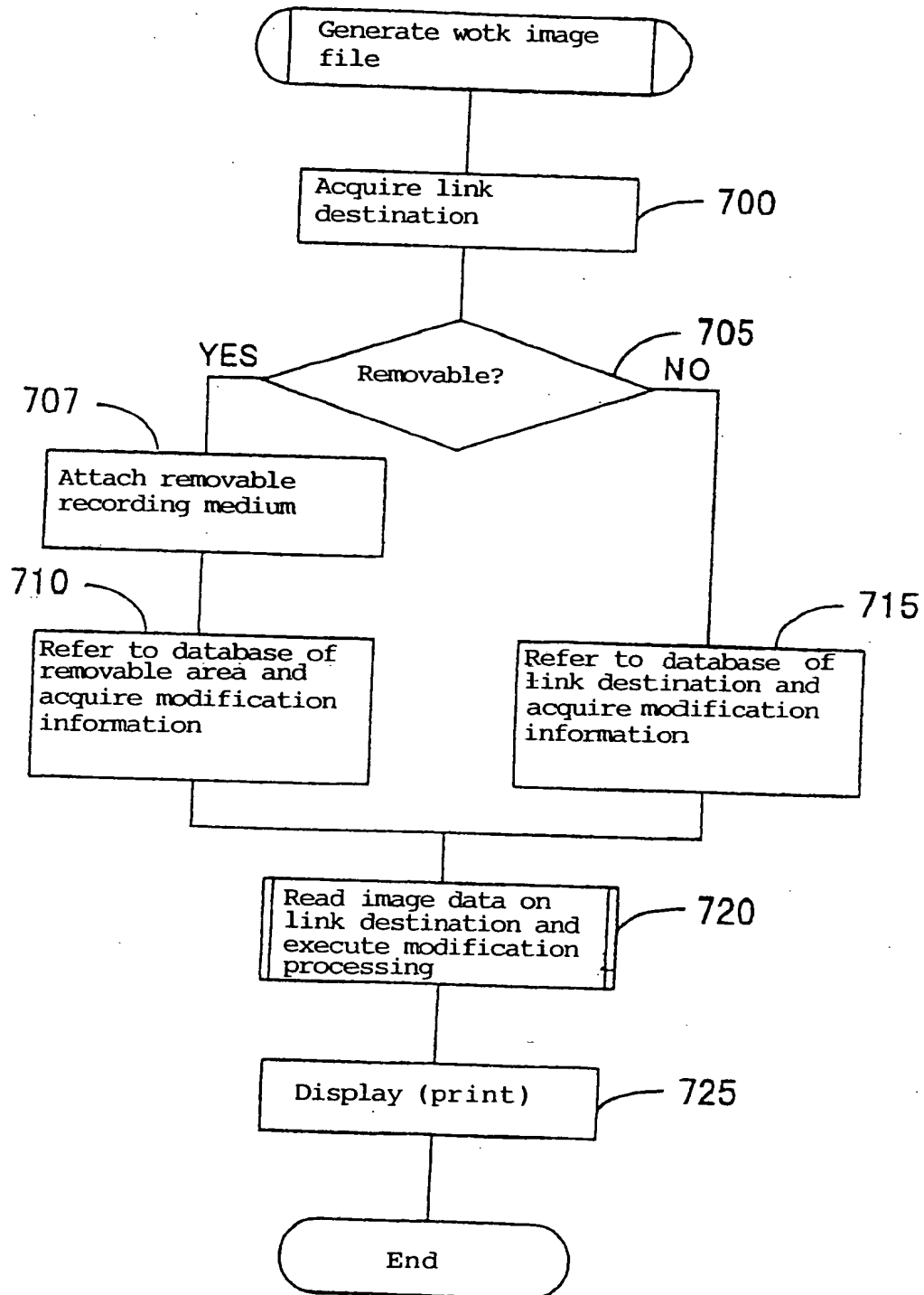
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Fig. 49



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Fig. 50



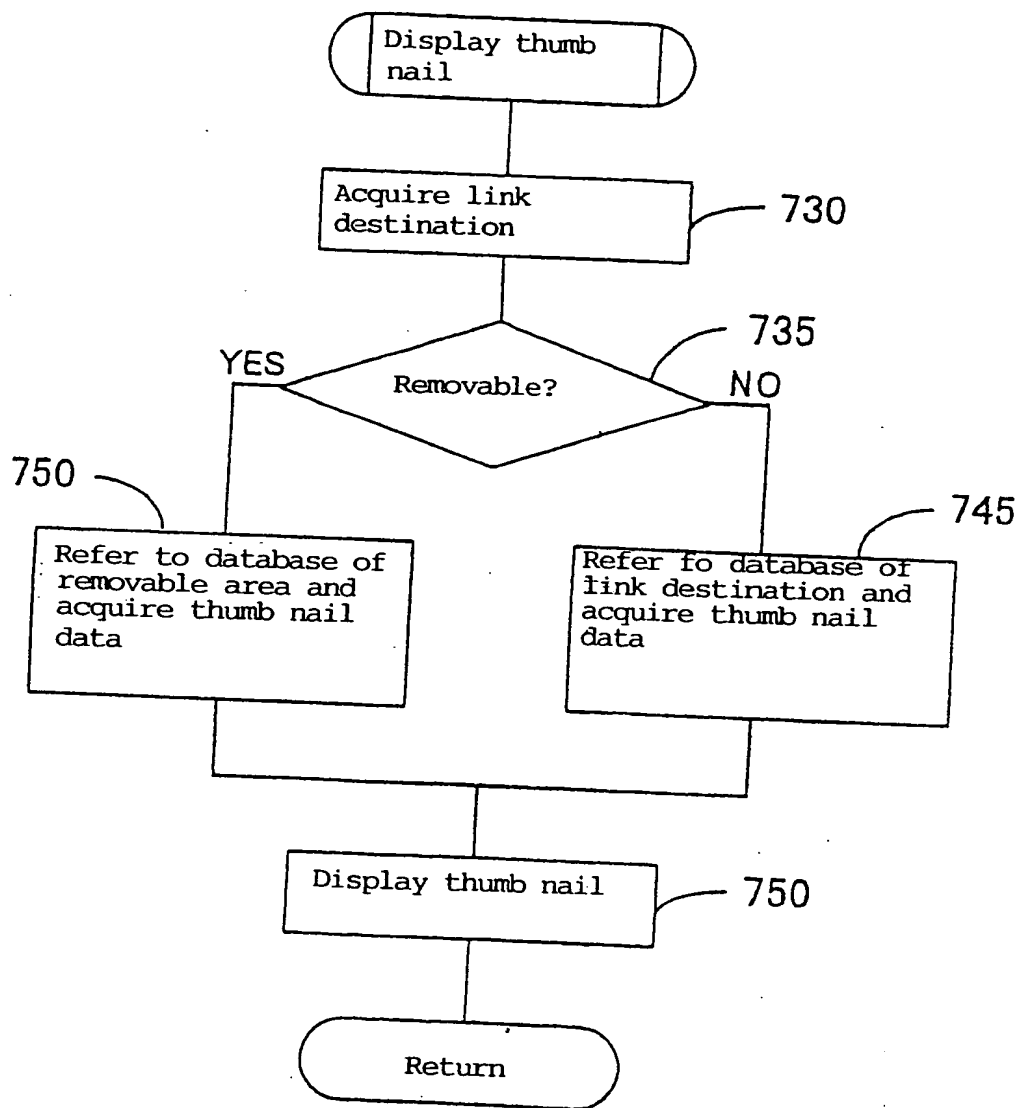
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Fig. 51

```
private :  
    char [ 100]    PATRONE ;  
    char [ 1000]   f_PICT ;
```

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Fig. 52



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Fig. 53

processing	engine	order	processing intensity
automatic image modification	V1	1	1
brightness	V1	0	0
contrast	V1	0	0
red	V1	0	0
green	V1	0	0
blue	V1	0	0

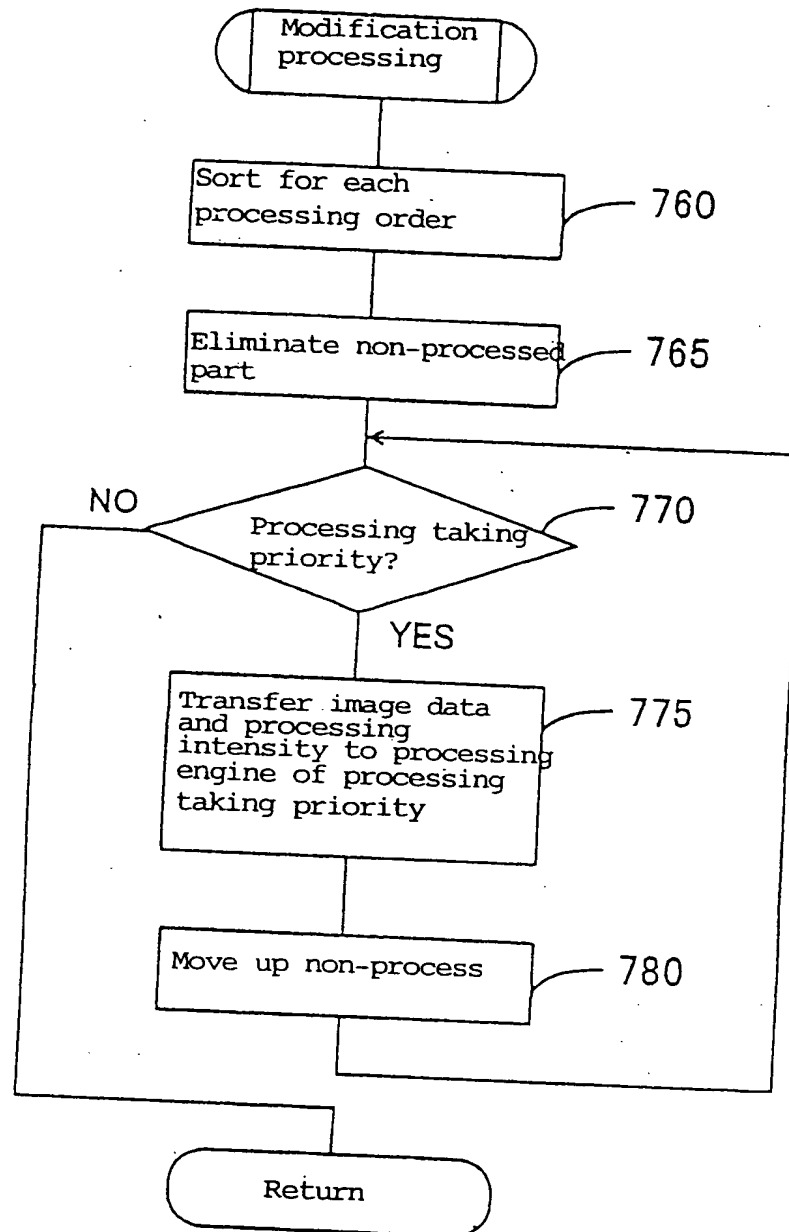
(a)

processing	engine	order	processing intensity
automatic image modification	V1	0	0
brightness	V2	4	+2
contrast	V2	5	+3
red	V2	1	+1
green	V2	2	+1
blue	V2	3	-1

(b)

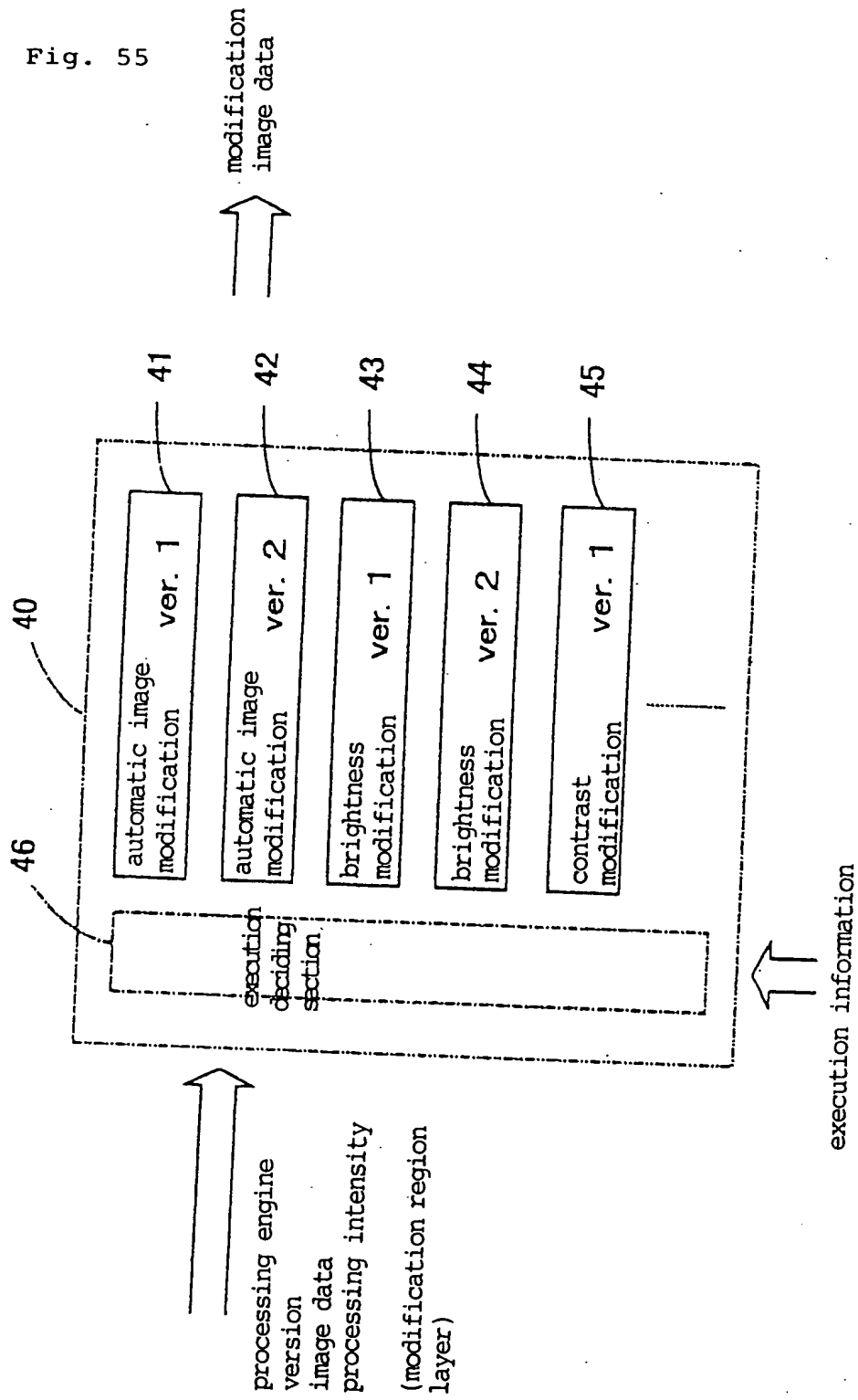
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Fig. 54



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Fig. 55



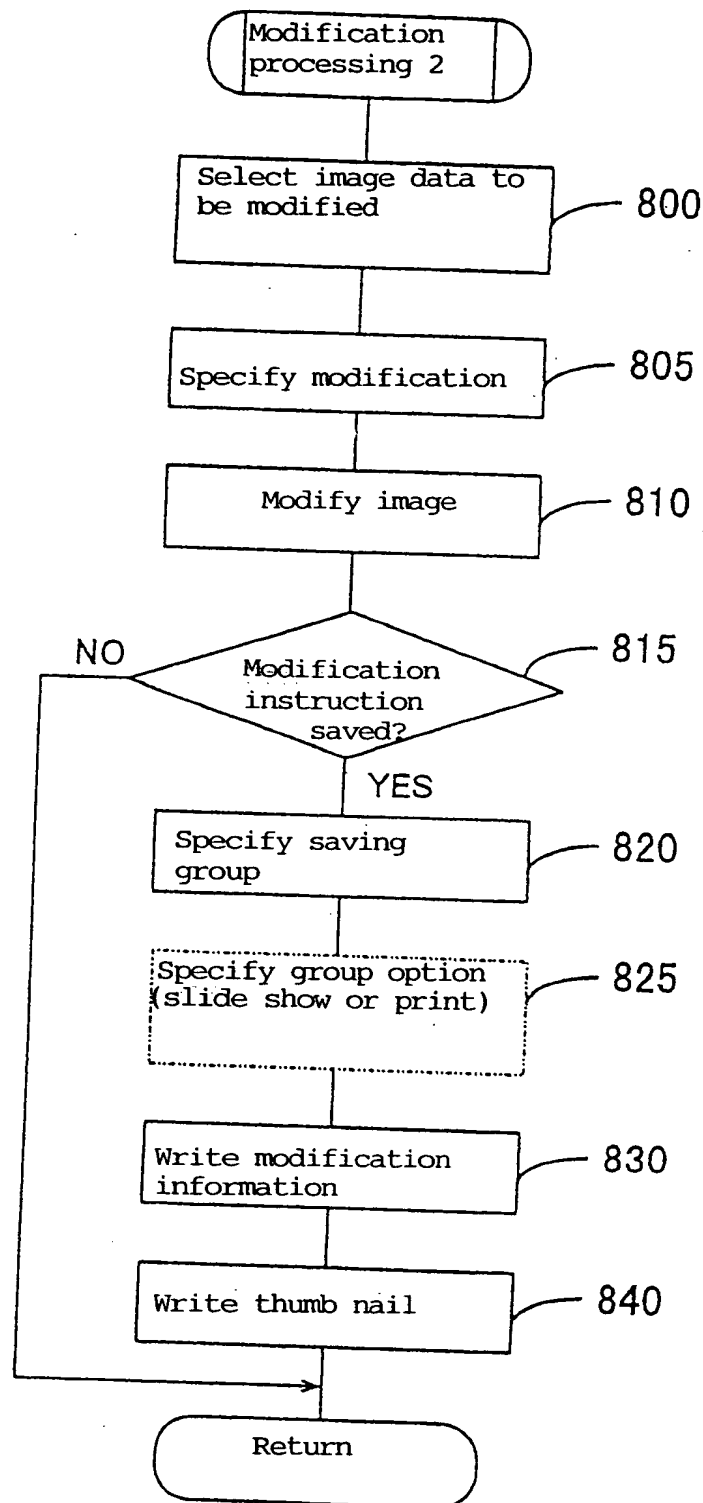
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Fig. 56

group	processing	engine	order	processing intensity
1	automatic image modification	V1	1	1
	brightness	V1	0	0
	contrast	V1	0	0
	red	V1	0	0
	green	V1	0	0
	blue	V1	0	0
2	automatic image modification	V1	0	0
	brightness	V1	1	2
	contrast	V1	1	1
	red	V1	0	0
	green	V1	0	0
	blue	V1	0	0

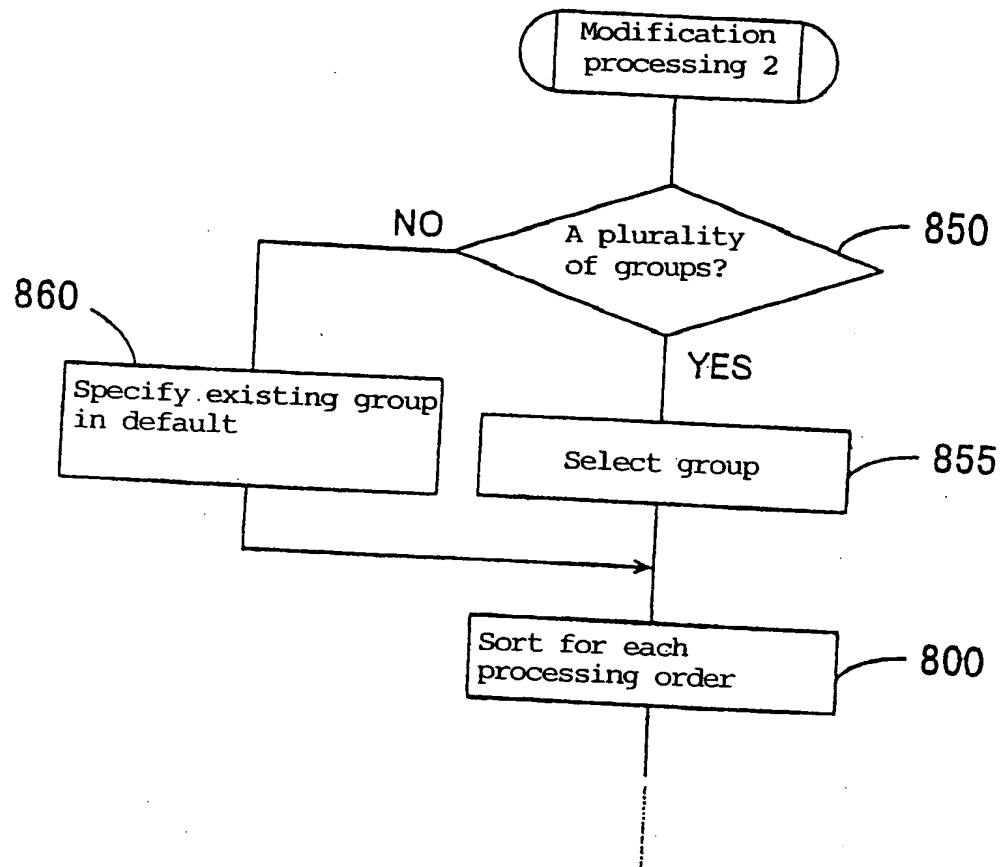
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Fig. 57



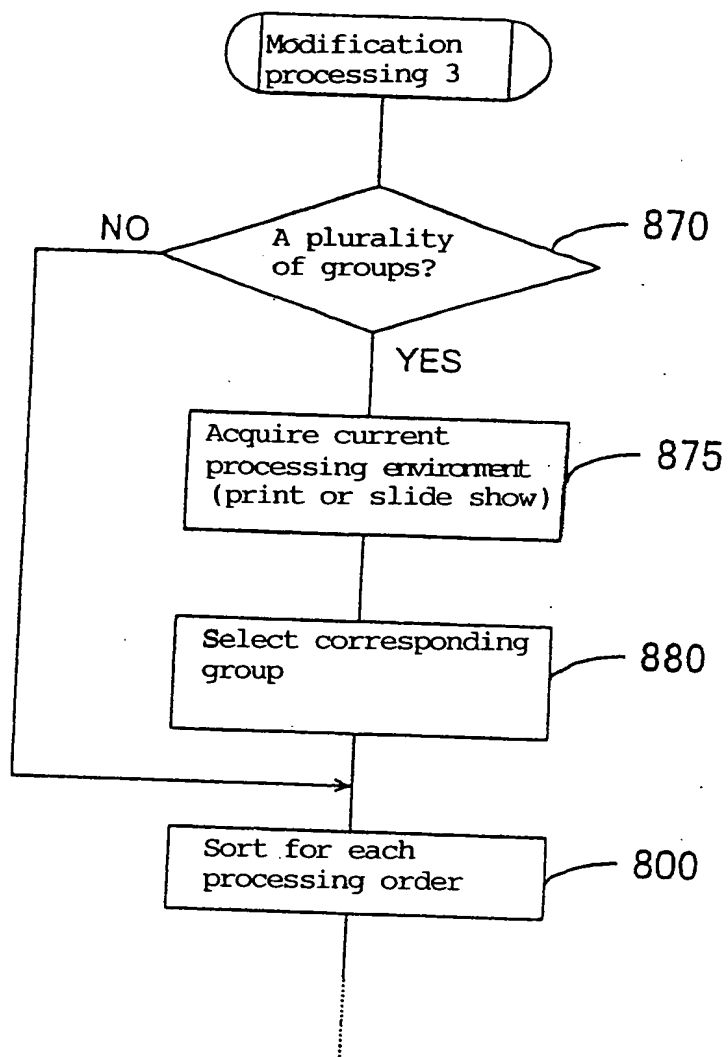
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Fig. 58



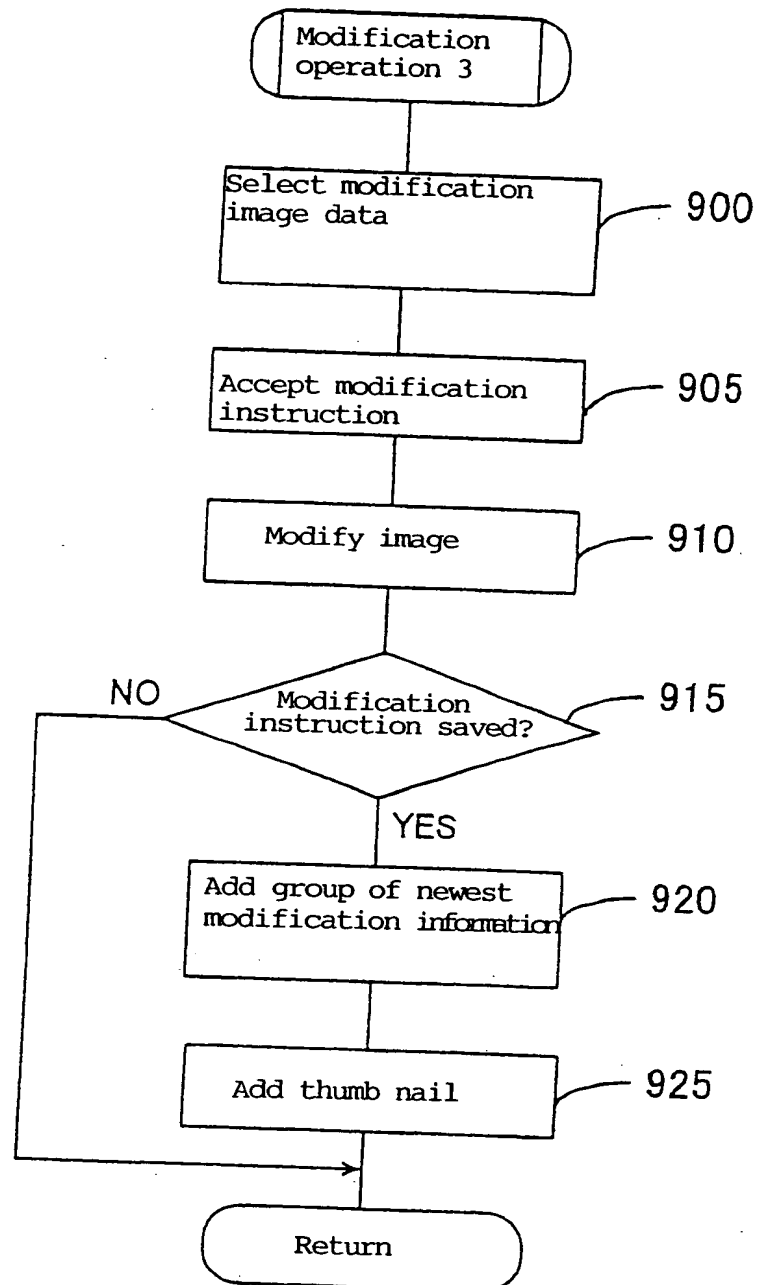
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Fig. 59



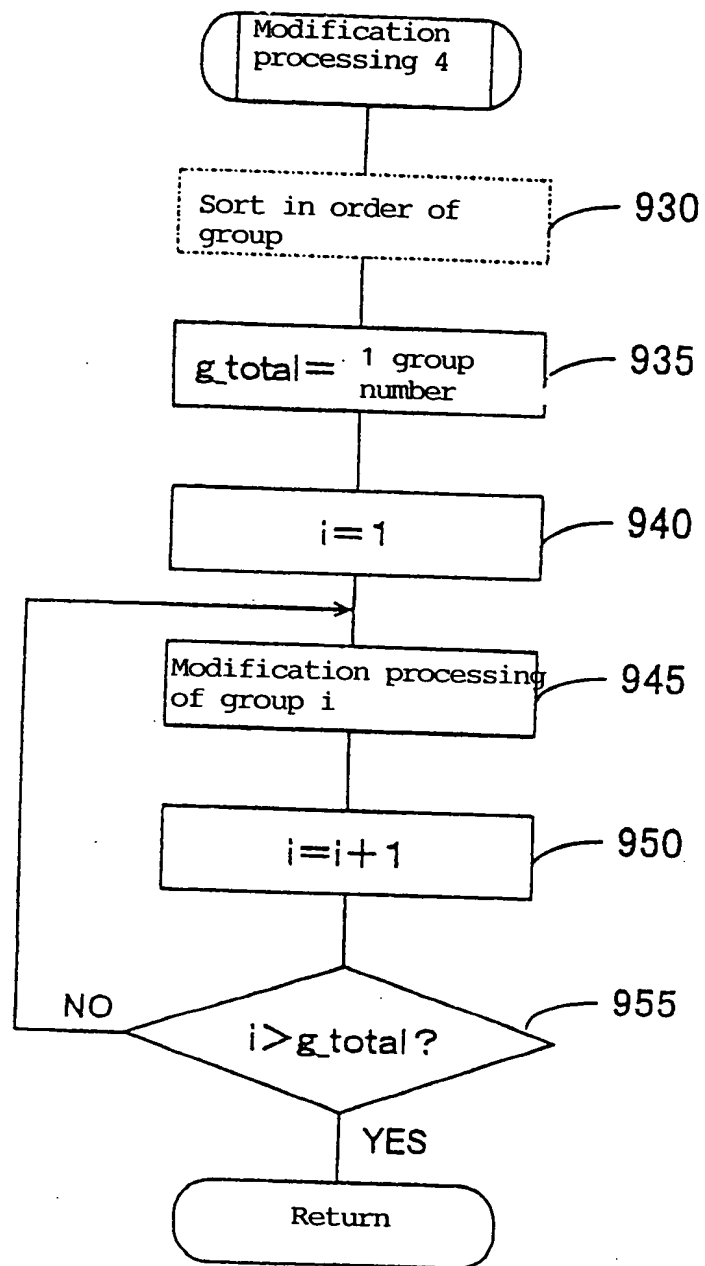
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Fig. 60



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Fig. 61



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Fig. 62

